

June 1, 2020

Mr. Alex Petry
Program Manager, Economic Development
City of Fairmont
200 Jackson St., Suite 301
Fairmont, WV 26554
apetry@fairmontwv.gov

Subject: **Suspected Asbestos Containing Building Materials Survey and Limited Lead-Based Paint Inspection Report**
Former Monroe Street Firehouse
215 Monroe Street, Fairmont, Marion County, West Virginia
Brownfield Assessment Grant Number BF-963604-01-0
Environmental Standards Project Number: 20198730

Dear Mr. Petry:

Enclosed are the Asbestos Report and Lead-Based Paint Inspection Report for the subject property located at 215 Monroe Street, Fairmont, Marion County, West Virginia (the Property). The approximate .4-acre Property is known as the former Monroe Street Firehouse.

On February 19 and 20, 2020, Environmental Standards subcontractor Cira and Associates, LLC (Cira) performed testing for asbestos-containing materials (ACM) and lead-based paint (LBP) at the Property. Cira visually observed the structure to evaluate materials for ACM and LBP. Bulk samples of potential ACM materials were obtained, containerized, logged, and submitted to International Asbestos Testing Laboratories, Inc. for analysis. A total of 80 samples were analyzed. Potential LBP was tested in situ with an Olympus-Delta Professional Alloy Plus X-Ray Fluorescence Analyzer (XRF). Cira noted that paint was in either fair or poor condition, with most paint in poor condition.

Results

Materials containing more than 1% asbestos by laboratory analysis include various vinyl sheet flooring, various vinyl floor tiles, stairwell tread, vinyl tile and mastic under carpeting, and plaster. The roof is considered suspect ACM and will be considered presumed until tested. The exact locations of ACM are described and depicted in the attached Suspected Asbestos Containing Building Materials Survey.

Cira performed 441 XRF readings for LBP. Of these, 56 XRF analyzer samples were positive for LBP. Positive readings were found on walls and doors in various rooms throughout the building, as well as some pipes, support beams, and a window frame. The detailed results and diagrams showing the location of positive results are contained in the attached Limited Lead-Based Paint Inspection Report.

It is recommended the ACM and LBP be mitigated prior to renovation or demolition activities that could result in human exposure.

If you have any questions, please do not hesitate to contact me at (304) 312-7830 or phickman@envstd.com.

Sincerely,



Patricia A. Hickman
Senior Advisor

Sincerely,



Lydia M. Work, LRS
Principal Chemist

PAH/LMW:cg

Encl.



ATTACHMENTS





Cira and Associates Consulting LLC

468 Williams Road • Morgantown, WV 26501 • (304) 983-2656
Ciraconsulting.com

Suspect Asbestos Containing Building Materials Survey

**Fairmont Firehouse
211 Monroe Street
Fairmont, WV 26554**

Prepared For:

Environmental Standards, Inc.
Ms. Patty Hickman
PO Box 810
Valley Forge, PA 19482

Prepared By:

Cira and Associates Consulting LLC
468 Williams Road
Morgantown, WV 26501
C&A Project No. CAC20034

Date:

April 20, 2020

TABLE OF CONTENTS

	<u>Page</u>
1.0 INTRODUCTION.....	1
2.0 ASBESTOS DESCRIPTION	1
3.0 SUSPECT BULK ACM SURVEY.....	2
4.0 SUSPECT BULK ACM ANALYSIS	12
5.0 RESULTS.....	13
6.0 RECOMMENDATIONS and CONCLUSIONS	14
7.0 REPORT QUALIFICATIONS	14

TABLES

<u>Table Number</u>	<u>Title</u>
1	Asbestos Assessment Sampling Results Summary
2	Asbestos Containing Building Materials

FIGURES

<u>Figure Number</u>	<u>Title</u>
1	Sample Locations – 5 th Floor
2	Sample Locations – 4 th Floor
3	Sample Locations – 3 rd Floor
4	Sample Locations – Basement
5	ACM Locations – 5 th Floor
6	ACM Locations – 4 th Floor
7	ACM Locations – 3 rd Floor

LIST OF APPENDICES

<u>Appendix Number</u>	<u>Title</u>
1	Certifications
2	Laboratory Results
3	Photo-documentation

1.0 INTRODUCTION

Cira and Associates Consulting LLC (C&A) of Morgantown, WV performed an asbestos inspection and bulk sampling event for the purpose of verifying the presence of asbestos in common building materials at the Fairmont Firehouse located at 211 Monroe Street in Fairmont, West Virginia. The survey was initiated to identify and quantify Asbestos Containing Building Materials (ACBM) prior to beginning renovation activities.

The survey included sampling and documentation of observations from the interior and exterior of the structure. Figures 1-4 illustrate the sampling locations within the structure and Figures 5-7 detail the ACM locations.

C&A personnel commenced the inspection and bulk sampling on February 19, 2020, and concluded on February 20, 2020. Table 1 provides a summary of materials sampled (suspect ACBM) with sample results. Table 2 provides a summary of quantities and conditions of the confirmed asbestos containing materials (ACMs).

2.0 ASBESTOS DESCRIPTION

The Occupational Safety and Health Administration (OSHA) defines an ACM as any material containing greater than 1% asbestos. The following list is provided as a general guide to show which types of materials may typically contain asbestos. It is noted that this list does not include every product that may contain asbestos:

- Cement wallboard and siding.
- Vinyl floor tile / vinyl sheet flooring.
- Mastic adhesives (floor tile, carpet, etc.).
- Plaster, wallboard, joint compound, spackling compound.
- Roof shingles, felt, flashing, tar (patch).
- Fire proofing materials.
- HVAC ductwork insulation, HVAC ductwork fabric connections.
- Electrical panel partitions, electrical wiring insulation.
- Window caulking, window putty (glazing).
- Spray-in insulation.

The Environmental Protection Agency (EPA) has issued rules concerning the application, removal and disposal of ACMs. These rules were issued under The National Emission Standards for Hazardous Air Pollutants (NESHAP).

3.0 SUSPECT BULK ACM SURVEY

On February 19 and 20, 2020, C&A's General Manager, Mr. C.J. Cira, collected bulk samples of suspect ACM. Mr. Cira is a West Virginia Licensed Asbestos Building Inspectors (WV License Numbers AI010210). Samples were collected in accordance with state-of-the-art protocols and methodologies presented by Asbestos Hazards Emergency Response Act (AHERA) / National Emission Standard for Hazardous Air Pollutants (NESHAP).

The following activities were performed as part of this survey:

- Visual and physical examination of the structure to identify suspected ACM.
- Diagram sample locations within the structure.
- Identification of homogenous materials (areas or materials which appear similar throughout, in terms of color, texture and date of application).
- Individual bulk material samples were placed in sealed containers, marked with identifying numbers, logged and shipped, under appropriate chain of custody, to International Asbestos Testing Laboratories, Inc. (IATL) for confirmatory analysis.

Sample locations were determined by identifying suspected ACM within and on the exterior of the structure. The general construction of this building is provided as follows:

Exterior:

- The roof is rubber.
- The exterior walls are brick.
- The foundation is masonry block and stone.

3rd Floor:

- **Room 23**
 - The floor is cement.
 - The walls are plaster.
 - The ceiling is acoustical ceiling tiles over plaster.

- **Room 24**
 - The floor consists of vinyl sheet flooring on cement.
 - The walls are plaster and wood panels.
 - The ceiling is acoustical ceiling tiles on plaster.
- **Room 25**
 - The floor consists of carpet on cement.
 - The walls are wood panel over plaster.
 - The ceiling is acoustical ceiling tiles over plaster.
- **Room 26**
 - The floor consists of 9x9 floor tiles on cement.
 - The walls are wood panel over plaster.
 - The ceiling is acoustical ceiling tiles over plaster.
- **Room 27**
 - The floor is cement.
 - The walls are plaster.
 - The ceiling is plaster.
- **Room 28**
 - The floor consists of vinyl sheet flooring on wood.
 - The walls are wood panel over plaster.
 - The ceiling is acoustical ceiling tiles on plaster.
- **Room 29**
 - The floor is brick.
 - The walls are wood.
 - The ceiling is wood.
- **Room 30**
 - The floor consists of carpet on vinyl sheet flooring. The front half of the floor consists of vinyl sheet flooring on brick.
 - The walls are wood panel on plaster.
 - The ceiling is acoustical ceiling tiles on plaster.

- **Room 31 (Safe)**
 - The floor is cement.
 - The walls are plaster.
 - The ceiling is plaster.
- **Room 32**
 - The floor consists of carpet on vinyl sheet flooring on 9x9 floor tile on wood.
 - The walls are plaster and wood.
 - The ceiling is acoustical ceiling tiles on plaster.
- **Room 33**
 - The floor consists of vinyl sheet flooring on wood.
 - The walls are plaster.
 - The ceiling is acoustical ceiling tiles over plaster.
- **Room 34**
 - The floor is carpet on wood.
 - The walls are plaster.
 - The ceiling is plaster.
- **Room 35**
 - The floor consists of carpet on wood.
 - The walls are wood panel on plaster.
 - The ceiling is acoustical ceiling tiles over plaster.
- **Room 36**
 - The floor consists of carpet on wood.
 - The walls are plaster.
 - The ceiling is acoustical ceiling tiles over plaster.
- **Room 37**
 - The floor consists of carpet on vinyl sheet flooring on 9x9 floor tile on wood.
 - The walls are plaster and wood.
 - The ceiling is acoustical ceiling tiles on plaster.

- **Room 38**
 - The floor consists of vinyl sheet flooring on wood.
 - The walls are plaster.
 - The ceiling is acoustical ceiling tiles on plaster.
- **Room 39**
 - The floor consists of carpet on 9x9 floor tile on wood.
 - The walls wood panel over plaster.
 - The ceiling is acoustical ceiling tiles on plaster.
- **Room 40**
 - The floor consists of carpet on vinyl sheet flooring on 9x9 floor tile on wood.
 - The walls are wood panel over plaster.
 - The ceiling is acoustical ceiling tiles on plaster.
- **Room 41**
 - The floor is carpet on cement.
 - The walls are plaster.
 - The ceiling is plaster.
- **Room 42**
 - The floor is wood.
 - The walls are brick.
 - The ceiling is wood.
- **Room 43**
 - The floor is cement.
 - The walls are plaster.
 - The ceiling is plaster.
- **Room 44**
 - The floor consists of 12x12 floor tile on 9x9 floor tile on wood.
 - The walls are wood panel.
 - The ceiling is textured wood.

- **Room 45**

- The floor consists of 12x12 floor tile on 9x9 floor tile on wood.
- The walls are wood panel.
- The ceiling is textured wood.

- **Room 46 and Stairs**

- The floor consists of 12x12 floor tile on 9x9 floor tile on wood.
- The walls are wood panel.
- The ceiling is wood.

4th Floor:

- **Room 47**

- The floor consists of vinyl sheet flooring on wood over tile on wood.
- The walls are plaster with a cove base.
- The ceiling is acoustical ceiling tiles on plaster.

- **Room 48**

- The floor is wood.
- The walls are plaster.
- The ceiling is plaster.

- **Room 49**

- The floor consists of two layers of vinyl sheet flooring on wood.
- The walls are plaster with a cove base.
- The ceiling is acoustical ceiling tiles on plaster.

- **Room 50**

- The floor consists of two layers of vinyl sheet flooring on wood.
- The walls are plaster with a cove base.
- The ceiling is acoustical ceiling tiles on plaster.

- **Room 51**

- The floor consists of two layers of vinyl sheet flooring on wood.
- The walls are plaster with a cove base.
- The ceiling is acoustical ceiling tiles on plaster.

- **Room 52**
 - The floor consists of ceramic tile on vinyl sheet flooring on wood.
 - The walls are plaster.
 - The ceiling is plaster.
- **Room 53**
 - The floor consists of vinyl sheet flooring on wood.
 - The walls are plaster.
 - The ceiling is plaster.
- **Room 54**
 - The floor is wood.
 - The walls are plaster.
 - The ceiling is plaster.
- **Room 55**
 - The floor consists of carpet on vinyl sheet flooring on wood.
 - The walls are plaster.
 - The ceiling is plaster.
- **Room 56**
 - The floor consists of carpet on vinyl sheet flooring on wood.
 - The walls are panel over plaster.
 - The ceiling is plaster.
- **Hallway (near Room 55 and 56)**
 - The floor consists of carpet on vinyl sheet flooring on wood.
 - The walls are plaster.
 - The ceiling is plaster.
- **Room 57**
 - The floor is 12x12 vinyl sheet flooring on wood.
 - The walls are plaster with wood panels on the bottom.
 - The ceiling is acoustical ceiling tiles over plaster.

- **Room 58**
 - The floor consists of carpet on vinyl sheet flooring over wood.
 - The walls are plaster.
 - The ceiling is plaster.
- **Room 59**
 - The floor consists of carpet on vinyl sheet flooring over wood.
 - The walls are plaster.
 - The ceiling is plaster.
- **Room 60**
 - The floor consists of carpet on vinyl sheet flooring over wood.
 - The walls are plaster.
 - The ceiling is plaster.
- **Room 61**
 - The floor consists of carpet on vinyl sheet flooring over wood.
 - The walls are plaster.
 - The ceiling is plaster.
- **Room 62**
 - The floor consists of carpet on floor tile on wood.
 - The walls are plaster.
 - The ceiling is plaster.
- **Room 63**
 - The floor consists of carpet on vinyl sheet flooring on wood.
 - The walls are plaster.
 - The ceiling is plaster.
- **Room 64 (Safe)**
 - The floor consists of carpet on cement.
 - The walls are plaster.
 - The ceiling is plaster.

- **Hallway (near Room 64)**
 - The floor consists of vinyl sheet flooring on wood.
 - The walls are plaster.
 - The ceiling is plaster.
- **Room 65**
 - The floor consists of vinyl sheet flooring over wood.
 - The walls are plaster.
 - The ceiling is plaster.
- **Room 66**
 - The floor consists of carpet on wood.
 - The walls are plaster.
 - The ceiling is plaster.
- **Room 67**
 - The floor consists of carpet on wood.
 - The walls are wood panel over plaster.
 - The ceiling is acoustical ceiling tile over plaster.
- **Room 68**
 - The floor consists of carpet on 9x9 floor tile on wood.
 - The walls are wood panel over plaster.
 - The ceiling is acoustical ceiling tile over plaster.
- **Room 69**
 - The floor consists of carpet on wood.
 - The walls are wood panel over plaster.
 - The ceiling is acoustical ceiling tile over plaster.
- **Room 70**
 - The floor consists of carpet on wood.
 - The walls are wood panel over plaster.
 - The ceiling is acoustical ceiling tile over plaster.

- **Room 71**

- The floor consists of 12x12 peel and stick vinyl sheet flooring over wood.
- The walls are wood panel over plaster.
- The ceiling is acoustical ceiling tile over plaster.

- **Hallway (near Room 71)**

- The floor consists of 12x12 peel and stick vinyl sheet flooring over wood.
- The walls are wood panel over plaster.
- The ceiling is acoustical ceiling tile over plaster.

5th Floor:

- **Room 72**

- The floor consists of carpet on two layers of vinyl sheet flooring on wood.
- The walls are wood panel on plaster.
- The ceiling is 12x12 ceiling tiles over plaster.

- **Room 73**

- The floor consists of carpet on vinyl sheet flooring on wood.
- The walls are wood panel on plaster.
- The ceiling is acoustical ceiling tile over plaster.

- **Room 74**

- The floor consists of carpet on vinyl sheet flooring on wood, carpet on wood over vinyl sheet flooring on wood, and carpet on 12x12 peel and stick on wood.
- The walls are wood panel over plaster.
- The ceiling is acoustical ceiling tile on plaster in the front and 12x12 wood tiles on plaster toward the back of the room.

- **Room 75**

- The floor consists of 12x12 peel and stick on vinyl sheet flooring on wood.
- The walls are plaster and wood.
- The ceiling is acoustical ceiling tiles on plaster.

- **Room 76**
 - The floor is wood.
 - The walls are plaster with a wood partition.
 - The ceiling is plaster.
- **Room 77**
 - The floor is wood.
 - The exterior walls are plaster and interior walls are wood.
 - The ceiling is plaster.
- **Room 78**
 - The floor consists of two layers of vinyl sheet flooring on wood.
 - The walls are plaster with a wood panel skirt.
 - The ceiling is plaster.
- **Room 79**
 - The floor consists of carpet on two layers of vinyl sheet flooring on wood.
 - The walls are wood panel on plaster.
 - The ceiling is acoustical ceiling tiles over plaster.
- **Room 80**
 - The floor consists of carpet on vinyl sheet flooring on wood.
 - The walls are wood panel on plaster.
 - The ceiling is acoustical ceiling tile over plaster.
- **Room 81**
 - The floor consists of carpet on vinyl sheet flooring on wood.
 - The walls are wood panel on plaster.
 - The ceiling is acoustical ceiling tile over plaster.
- **Room 82**
 - The floor consists of carpet on wood over vinyl sheet flooring on wood.
 - The walls are plaster with a wood partition.
 - The ceiling is plaster.

- **Room 83**
 - The floor consists of carpet on wood over vinyl sheet flooring on wood.
 - The walls are plaster with a wood partition.
 - The ceiling is plaster.
- **Room 84**
 - The floor is wood.
 - The walls are plaster.
 - The ceiling is plaster.
- **Room 85**
 - The floor consists of carpet on wood.
 - The walls are wood panel over plaster.
 - The ceiling is acoustical ceiling tile over plaster.
- **Room 86**
 - The floor is carpet on wood.
 - The walls are plaster with glazing around the wood windows.
 - The ceiling is plaster.
- **Room 87**
 - The floor is wood.
 - The walls are plaster with glazing around the wood windows.
 - The ceiling is acoustical ceiling tile over plaster.

Homogenous materials were identified with samples taken of each homogenous material. Surfactant was applied to the surface of the material being sampled prior to collection. This is done to minimize the potential for fiber release. Sample locations can be found in Figures 1-4. ACM locations can be found in Figures 5-7. Certifications are included in Appendix 1.

4.0 SUSPECT BULK ACM ANALYSIS

All subsequent ACBM samples were analyzed via Polarized Light Microscopy (PLM) with available dispersion staining techniques (EPA Method 600/R-93/116) by IATL located in Mt. Laurel, New Jersey. Materials reported <10 % by PLM Method were analyzed by the Stratified

Point Count Method. Documentation of bulk sample analysis is provided for all pertinent sampled materials (Table 1). Laboratory results are included in Appendix 2.

5.0 RESULTS

A total of eighty (80) samples were collected by C&A and submitted for laboratory analysis. Under microscopic examination performed by the 3rd Party Laboratory, one hundred and seventy-eight (178) total samples were analyzed, which included sample subsets unable to be identified without microscopic examination. Independent 3rd Party analysis was performed by IATL. Suspect ACBM's consist of flooring materials, plaster, adhesives, leveling compounds, ceiling textures, ceiling tiles, paint and window glazing.

Materials in the submitted samples that were found to contain more than 1% asbestos by laboratory analysis are as follows:

- Approximately 55, 975 ft.² of plaster located on the walls and approximately 14,835 ft.² of ceilings within the structure.
- Approximately 84 ft.² of white pebble pattern vinyl sheet flooring located in Room 73.
- Approximately 18 ft.² of white pitted vinyl sheet flooring located in Room 78.
- Approximately 180 ft.² of green vinyl sheet flooring located on the top layer of Room 79.
- Approximately 334 ft.² of blue floor tile located under the carpet of Room 62.
- Approximately 207 ft.² of pebble pattern vinyl sheet flooring located under the carpet of Room 63.
- Approximately 764 ft.² of stone pattern vinyl sheet flooring located under the carpet of Room 47.
- Approximately 764 ft.² of brown floor tile located on the bottom layer of Room 47.
- Approximately 17 ft.² of green/white vinyl sheet flooring located in Room 53.
- Approximately 25 ft.² of tan floor tile located in the Stairwell 4th-3rd Landing.
- Approximately 16 ft.² of stairwell tread on the tan floor tile of Stairwell 4th-3rd.
- Approximately 549 ft.² of black floor tile and mastic located under the carpet of Room 30.
- Approximately 165 ft.² of brick pattern vinyl sheet flooring located toward the front of Room 30.
- Approximately 369 ft.² of tan floor tile located under the carpet of Room 32.

- Approximately 60 ft.² of brown floor tile located in the hallway under the carpet of Room 32.
- Approximately 60 ft.² of tan floor tile located in the hallway under the carpet of Room 32.
- Approximately 133 ft.² of maroon floor tile located under the carpet of Room 37.
- Approximately 133 ft.² of black floor tile located under the tan floor tile of Room 37.
- Approximately 55 ft.² of grey floor tile located on the top layer of Room 46.
- * The roof is regarded as suspect ACM and will be considered presumed until tested.

Table 1 is a summary of the survey results while Table 2 describes the material location and estimated quantity of the confirmed ACMs. Figures 1-4 illustrate the sample locations and Figure 5-7 depict the approximate location of the ACMs. Appendix 3 provides photo-documentation of the ACM.

6.0 RECOMMENDATIONS AND CONCLUSIONS

As noted in Section 5.0, nineteen of the sampled homogeneous materials identified as suspect ACBM contained asbestos in amounts greater than 1%. Abatement contractors should physically verify location and quantities of all ACBMs identified within this report.

As required by West Virginia Division of Health Legislative Rules Title 64 Series 63 (1998), C&A recommends the confirmed ACBMs be removed from the above detailed location prior to conducting any demolition or renovation activities that may disturb the material. West Virginia State Law requires asbestos removal to be performed by personnel trained and licensed in asbestos abatement activities. Abatement must be performed in accordance of the West Virginia Division of Health Legislative Rules Title 64 Series 63, OSHA Asbestos Construction Standard 29 CFR 1926.1101 and the EPA Asbestos NESHAP guidelines 40 CFR 61, Subpart M.

A Notification of Abatement, Demolition or Renovation form must be submitted and a 10-day notice given to the regulating agencies before any abatement can begin on this project. Local agencies should be contacted regarding additional permits that may be required.

7.0 REPORT QUALIFICATIONS

The activities and evaluations used in this report are consistent with those normally employed in asbestos surveys. The evaluation of site conditions has been based on our understanding of the site

and limited in that only suspect ACBMs, safely accessible and unobstructed, were sampled and analyzed.

Cira and Associates Consulting LLC cannot warrant the actual site conditions described in this report beyond the initial sample location, time, and date of the survey in that future alterations and conditions of the subject building may occur or changes in environmental regulations may take place.

Should you have any questions please contact us at (304) 983-2656.

Sincerely,

Cira and Associates Consulting LLC

A handwritten signature in dark ink, consisting of a series of loops and a long horizontal stroke, followed by a small yellow rectangular stamp.

C.J. Cira

West Virginia Asbestos Inspector No. AI010210

Attachments

TABLES

Cira and Associates Consulting LLC
Table 1
Asbestos Assessment Sampling Results Summary
Fairmont Firehouse
211 Monroe Street
Fairmont, WV 26554
Sample Date: 2/19/2020
C&A Project Number: CAC20034
Laboratory Analysis Method: EPA 600/R-93/116

Material Location	Laboratory's Material Description	Homogenous Material	Analytical Results % Asbestos	C&A Sample Number
Room 86 Wall	Tan Plaster	Grey Plaster	PC 0.25 Chrysotile	CAC20034-01
	Off-White Plaster (Layer 2)		ND	
Room 80 Ceiling	Tan Plaster		PC Trace Chrysotile	CAC20034-02
	Off-White Plaster (Layer 2)		ND	
Stairwell 5th-4th Wall	Tan Plaster		PC 1.2 Chrysotile	CAC20034-03
	Off-White Plaster (Layer 2)		ND	
Room 62 Ceiling	Tan Plaster		ND	CAC20034-04
	Off-White Plaster (Layer 2)		ND	
Room 58 Wall	Tan Plaster		PC 1.1 Chrysotile	CAC20034-05
	Off-White Plaster (Layer 2)		ND	
Room 36 Wall	Tan Plaster		ND	CAC20034-06
	Off-White Plaster (Layer 2)		ND	
	White/Yellow Paint/Texture		ND	
Room 41 Ceiling	Dk Tan Plaster		ND	CAC20034-07
	Lt Tan/White Plaster		ND	
Room 86 Window	Tan Glazing	Window Glazing	ND	CAC20034-08
Room 74 Window	Tan Glazing		ND	CAC20034-09
Room 74 (Under Carpet)	Tan/Black Vinyl Sheet Flooring	Brown Vinyl Sheet Flooring	ND	CAC20034-10
	Dk Brown Mastic (Layer 2)		ND	
Room 74 (Under Carpet)	Tan/Black Vinyl Sheet Flooring		ND	CAC20034-11
	Dk Blue/Black Mastic (Layer 2)		ND	
	Clear/Yellow Mastic/Substrate (Layer 3)		ND	
Room 75	Brown/Tan Vinyl Sheet Flooring	Faux Wood Vinyl Sheet Flooring	ND	CAC20034-12
	Clear Mastic (Layer 2)		ND	
	Brown/Tan Vinyl Sheet Flooring		ND	CAC20034-13
	Clear Mastic (Layer 2)		ND	

Notes:

ND = None Detected

PC = Point Counting Method used for this analysis

Shaded cell indicates asbestos >1%

Cira and Associates Consulting LLC
Table 1
Asbestos Assessment Sampling Results Summary
Fairmont Firehouse
211 Monroe Street
Fairmont, WV 26554
Sample Date: 2/19/2020
C&A Project Number: CAC20034
Laboratory Analysis Method: EPA 600/R-93/116

Material Location	Laboratory's Material Description	Homogenous Material	Analytical Results % Asbestos	C&A Sample Number
Room 72 (Top Layer)	Dk Brown Vinyl Sheet Flooring	Red Floor Backing	ND	CAC20034-14
	Dk Blue/Black Mastic (Layer 2)		ND	
	Green Underlayment (Layer 3)		ND	
	Red Floor Material		ND	CAC20034-15
Room 72 (Under Floor Backing)	Dk Red Vinyl Sheet Flooring	Brown Vinyl Sheet Flooring	ND	CAC20034-16
	Dk Beige Mastic (Layer 2)		ND	
	Green Underlayment (Layer 3)		ND	
	Red Floor Material (Layer 4)		ND	
	Lt Brown Vinyl Sheet Flooring		ND	CAC20034-17
	Dk Beige Mastic (Layer 2)		ND	
	Green Underlayment (Layer 3)		ND	
Room 73	Off-White Vinyl Sheet Flooring	White Pebble Pattern Vinyl Sheet Flooring	PC 4.7 Chrysotile	CAC20034-18
			PC 4.2 Chrysotile	CAC20034-19
Room 78	Off-White Vinyl Sheet Flooring	White Pitted Vinyl Floor Tile	PC 6.1 Chrysotile	CAC20034-20
	Tan Mastic (Layer 2)		ND	
	White Vinyl Sheet Flooring		PC 7.5 Chrysotile	CAC20034-21
	Tan Mastic (Layer 2)		ND	
Room 79 (Top Layer)	Lt Green Vinyl Sheet Flooring	Green Vinyl Sheet Flooring	PC 5.3 Chrysotile	CAC20034-22
	Tan Mastic (Layer 2)		ND	
	Lt Green Vinyl Sheet Flooring		PC 4.8 Chrysotile	CAC20034-23
	Tan Mastic (Layer 2)		ND	
Room 79 (Under Carpet)	Dk Red Vinyl Sheet Flooring	Maroon Floor Tile	ND	CAC20034-24
	White Mastic (Layer 2)		ND	
	Dk Grey Underlayment (Layer 3)		ND	
	Dk Red Vinyl Sheet Flooring		ND	CAC20034-25
	White Mastic (Layer 2)		ND	
Room 62 (Under Carpet)	Blue Vinyl Sheet Flooring	Blue Floor Tile	PC 2.2 Chrysotile	CAC20034-26
	Tan Mastic (Layer 2)		ND	
	Blue Vinyl Sheet Flooring		PC 1.8 Chrysotile	CAC20034-27
	Tan Mastic (Layer 2)		ND	
	White Leveling Compound (Layer 3)		ND	

Notes:

ND = None Detected

PC = Point Counting Method used for this analysis

Shaded cell indicates asbestos >1%

Cira and Associates Consulting LLC
Table 1
Asbestos Assessment Sampling Results Summary
Fairmont Firehouse
211 Monroe Street
Fairmont, WV 26554
Sample Date: 2/19/2020
C&A Project Number: CAC20034
Laboratory Analysis Method: EPA 600/R-93/116

Material Location	Laboratory's Material Description	Homogenous Material	Analytical Results % Asbestos	C&A Sample Number
Room 63 (Under Carpet)	Tan Vinyl Sheet Flooring	Pebble Pattern Vinyl Sheet Flooring	15 Chrysotile	CAC20034-28
	Dk Brown Mastic (Layer 2)		ND	
	White Leveling Compound (Layer 3)		ND	
	Brown Underlayment (Layer 4)		ND	
	Tan Vinyl Sheet Flooring		15 Chrysotile	CAC20034-29
	Dk Brown Mastic (Layer 2)		ND	
	Brown Underlayment (Layer 3)		ND	
Room 65	Dk Brown/Tan Vinyl Sheet Flooring	Faux Wood Vinyl Sheet Flooring	ND	CAC20034-30
	Clear Mastic (Layer 2)		ND	
Room 71	Dk Brown/Tan Vinyl Sheet Flooring		ND	CAC20034-31
	Clear Mastic (Layer 2)		ND	
Room 68	Tan Green Vinyl Sheet Flooring	Green Floor Tile	ND	CAC20034-32
	Dk Brown Mastic (Layer 2)		ND	
	Black Felt (Layer 3)		ND	
	Tan Green Vinyl Sheet Flooring		ND	CAC20034-33
	Dk Brown Mastic (Layer 2)		ND	
	Black Felt (Layer 3)		ND	
Room 61 (Under Carpet)	Dk Red Vinyl Sheet Flooring	Maroon Vinyl Sheet Flooring	ND	CAC20034-34
	Dk Brown Mastic (Layer 2)		ND	
	Grey Underlayment (Layer 3)		ND	
Room 59 (Under Carpet)	Dk Brown Vinyl Sheet Flooring		ND	CAC20034-35
	Clear/Black Mastic (Layer 2)		ND	
Room 58 (Under Carpet)	Dk Brown Floor Material	Red Vinyl Sheet Flooring	ND	CAC20034-36
	Dk Brown/Red Mastic (Layer 2)		ND	
	Dk Brown Floor Material		ND	CAC20034-37
	Dk Brown/Red Mastic (Layer 2)		ND	
Room 47	Off-White/Grey Vinyl Sheet Flooring	Stone Pattern Vinyl Sheet Flooring	15 Chrysotile	CAC20034-38
	Tan Mastic (Layer 2)		ND	
	Off-White/Grey Vinyl Sheet Flooring		15 Chrysotile	CAC20034-39
	Tan Mastic (Layer 2)		ND	

Notes:

ND = None Detected

PC = Point Counting Method used for this analysis

Shaded cell indicates asbestos >1%

Cira and Associates Consulting LLC
Table 1
Asbestos Assessment Sampling Results Summary
Fairmont Firehouse
211 Monroe Street
Fairmont, WV 26554
Sample Date: 2/19/2020
C&A Project Number: CAC20034
Laboratory Analysis Method: EPA 600/R-93/116

Material Location	Laboratory's Material Description	Homogenous Material	Analytical Results % Asbestos	C&A Sample Number
Room 47 (Bottom Layer)	Dk Brown Floor Tile	Brown Floor Tile	PC 1.4 Chrysotile	CAC20034-40
	Black Mastic (Layer 2)		ND	
	Tan Underlayment (Layer 3)		ND	
	Dk Brown Floor Tile		PC 1.3 Chrysotile	CAC20034-41
	Black Mastic (Layer 2)		ND	
	Tan Underlayment (Layer 3)		ND	
Room 50 Wall	Dk Red Cove Base	Maroon Cove Base	ND	CAC20034-42
	Dk Brown Mastic (Layer 2)		ND	
Room 53 Wall	Dk Red Cove Base		ND	CAC20034-43
	Dk Brown Mastic (Layer 2)		ND	
Room 53	Dk Brown/Tan Vinyl Sheet Flooring	Green/White Vinyl Sheet Flooring	20 Chrysotile	CAC20034-44
	Lt Tan Mastic (Layer 2)		ND	
	Dk Brown/Tan Vinyl Sheet Flooring		20 Chrysotile	CAC20034-45
Room 47 Hall Closet Floor	Dk Brown/Tan Vinyl Sheet Flooring	Brown/White Vinyl Sheet Flooring	ND	CAC20034-46
	Lt Tan Mastic (Layer 2)		ND	
	Lt Brown Underlayment (Layer 3)		ND	
	Dk Brown/Tan Vinyl Sheet Flooring		ND	CAC20034-47
	Lt Tan Mastic (Layer 2)		ND	
	Lt Brown Underlayment (Layer 3)		ND	
Stairwell 4th-3rd Landing	Tan Floor Tile	Tan Floor Tile	PC 1.9 Chrysotile	CAC20034-48
	Lt Tan Mastic (Layer 2)		ND	
	Black Felt (Layer 3)		ND	
	Tan Floor Tile		PC 2.2 Chrysotile	CAC20034-49
	Tan Mastic (Layer 2)		ND	
Stairwell 4th-3rd Tread	Tan Rubber Tile	Tan Floor Tile	PC 1.1 Chrysotile	CAC20034-50
			PC 1.0 Chrysotile	CAC20034-51
Room 30 (Under Carpet)	Black Floor Tile	Black Floor Tile	PC 3.1 Chrysotile	CAC20034-52
	Black Mastic (Layer 2)		PC 4.9 Chrysotile	
	Tan Mastic (Layer 3)		ND	
	Grey Floor Tile		PC 3.6 Chrysotile	
	Black Mastic (Layer 2)		PC 4.2 Chrysotile	CAC20034-53
	Tan Mastic (Layer 3)		ND	
			ND	

Notes:

ND = None Detected

PC = Point Counting Method used for this analysis

Shaded cell indicates asbestos >1%

Cira and Associates Consulting LLC
Table 1
Asbestos Assessment Sampling Results Summary
Fairmont Firehouse
211 Monroe Street
Fairmont, WV 26554
Sample Date: 2/19/2020
C&A Project Number: CAC20034
Laboratory Analysis Method: EPA 600/R-93/116

Material Location	Laboratory's Material Description	Homogenous Material	Analytical Results % Asbestos	C&A Sample Number
Room 30 (Front of Room)	Red Vinyl Sheet Flooring	Brick Pattern Vinyl Sheet Flooring	15 Chrysotile	CAC20034-54
	Red Vinyl Sheet Flooring		15 Chrysotile	CAC20034-55
	Tan Mastic (Layer 2)		ND	
Room 32 (Under Carpet)	Lt Tan Vinyl Sheet Flooring	Tan Floor Tile	15 Chrysotile	CAC20034-56
	Tan Mastic (Layer 2)		ND	
	Brown Underlayment (Layer 3)		ND	
	Tan Mastic (Layer 4)		ND	
	Lt Tan Vinyl Sheet Flooring		15 Chrysotile	CAC20034-57
	Lt Tan/Brown Mastic (Layer 2)		ND	
	Tan/Grey Mastic (Layer 3)		ND	
Room 34 (Top Layer)	Tan/Yellow Vinyl Sheet Flooring	Tan Vinyl Sheet Flooring	ND	CAC20034-58
			ND	CAC20034-59
Room 32	Dk Brown Floor Tile	Brown Floor Tile	PC 6.3 Chrysotile	CAC20034-60
	Black Mastic (Layer 2)		ND	
	Dk Brown Floor Tile		PC 5.1 Chrysotile	CAC20034-61
	Black Mastic (Layer 2)		ND	
Room 32	Lt Tan Vinyl Sheet Flooring	Tan Floor Tile	20 Chrysotile	CAC20034-62
	Dk Brown/Tan Mastic (Layer 2)		ND	
	Lt Tan/Grey Mastic (Layer 3)		ND	
	Lt Tan Vinyl Sheet Flooring		20 Chrysotile	CAC20034-63
	Dk Brown Mastic (Layer 2)		ND	
	Brown Underlayment (Layer 3)		ND	
	Tan Mastic (Layer 4)		ND	
	Red/White Carpet (Layer 5)		ND	
Room 37	Dk Brown Floor Tile	Maroon Floor Tile	10 Chrysotile	CAC20034-64
	Black Mastic (Layer 2)		ND	
	Black Underlayment (Layer 3)		ND	
	Black Floor Tile	Black Floor Tile	10 Chrysotile	CAC20034-65
	Black Mastic (Layer 2)		ND	
	Black Underlayment (Layer 3)		ND	
	Brown Mastic (Layer 4)		ND	

Notes:

ND = None Detected

PC = Point Counting Method used for this analysis

Shaded cell indicates asbestos >1%

Cira and Associates Consulting LLC
Table 1
Asbestos Assessment Sampling Results Summary
Fairmont Firehouse
211 Monroe Street
Fairmont, WV 26554
Sample Date: 2/19/2020
C&A Project Number: CAC20034
Laboratory Analysis Method: EPA 600/R-93/116

Material Location	Laboratory's Material Description	Homogenous Material	Analytical Results % Asbestos	C&A Sample Number
Room 40 Closet	Grey Floor Tile	Grey Floor Tile	ND	CAC20034-66
	Tan Mastic (Layer 2)		ND	
	Grey Floor Tile		ND	CAC20034-67
	Tan Mastic (Layer 2)		ND	
Room 40 (Under Carpet)	Tan Vinyl Sheet Flooring	Tan Vinyl Sheet Flooring	ND	CAC20034-68
	Tan Mastic (Layer 2)		ND	
	Yellow Mastic (Layer 3)		ND	
Room 40 (Under Vinyl Sheet Floor)	Brown Floor Tile	Brown Floor Tile	ND	CAC20034-69
	Tan Mastic (Layer 2)		ND	
Room 46 (Top Layer)	Grey Floor Tile	Grey Floor Tile	PC 2.3 Chrysotile	CAC20034-70
	Black Mastic (Layer 2)		ND	
	Grey Floor Tile		PC 1.7 Chrysotile	CAC20034-71
	Black Mastic (Layer 2)		ND	
Room 44 (Second Layer)	Black Floor Tile	Brown Floor Tile	ND	CAC20034-72
	Brown Mastic (Layer 2)		ND	
	Black Floor Tile		ND	CAC20034-73
	Brown Mastic (Layer 2)		ND	
Room 44 Ceiling	White Texture	White Paint Texture	ND	CAC20034-74
Room 45 Ceiling			ND	CAC20034-75
Room 24	Tan Vinyl Sheet Flooring	Tan Vinyl Sheet Flooring	ND	CAC20034-76
	Yellow Mastic (Layer 2)		ND	
	Tan Vinyl Sheet Flooring		ND	CAC20034-77
	Yellow Mastic (Layer 2)		ND	
Room 26 Ceiling	White Ceiling Tile	White Acoustical Ceiling Tile	ND	CAC20034-78
			ND	CAC20034-79
Basement Wall	Silver Paint	Silver Paint	ND	CAC20034-80
	White Plaster (Layer 2)		ND	
	Tan Plaster (Layer 3)		ND	

Notes:

ND = None Detected

PC = Point Counting Method used for this analysis

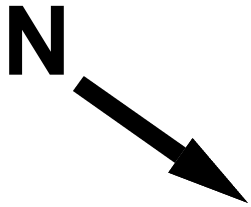
Shaded cell indicates asbestos >1%

Cira and Associates Consulting LLC
Table 2
Asbestos Assessment Sampling Results Summary
Fairmont Firehouse
211 Monroe Street
Fairmont, WV 26554
Sample Date: 2/19/2020
C&A Project Number: CAC20034
Laboratory Analysis Method: EPA 600/R-93/116

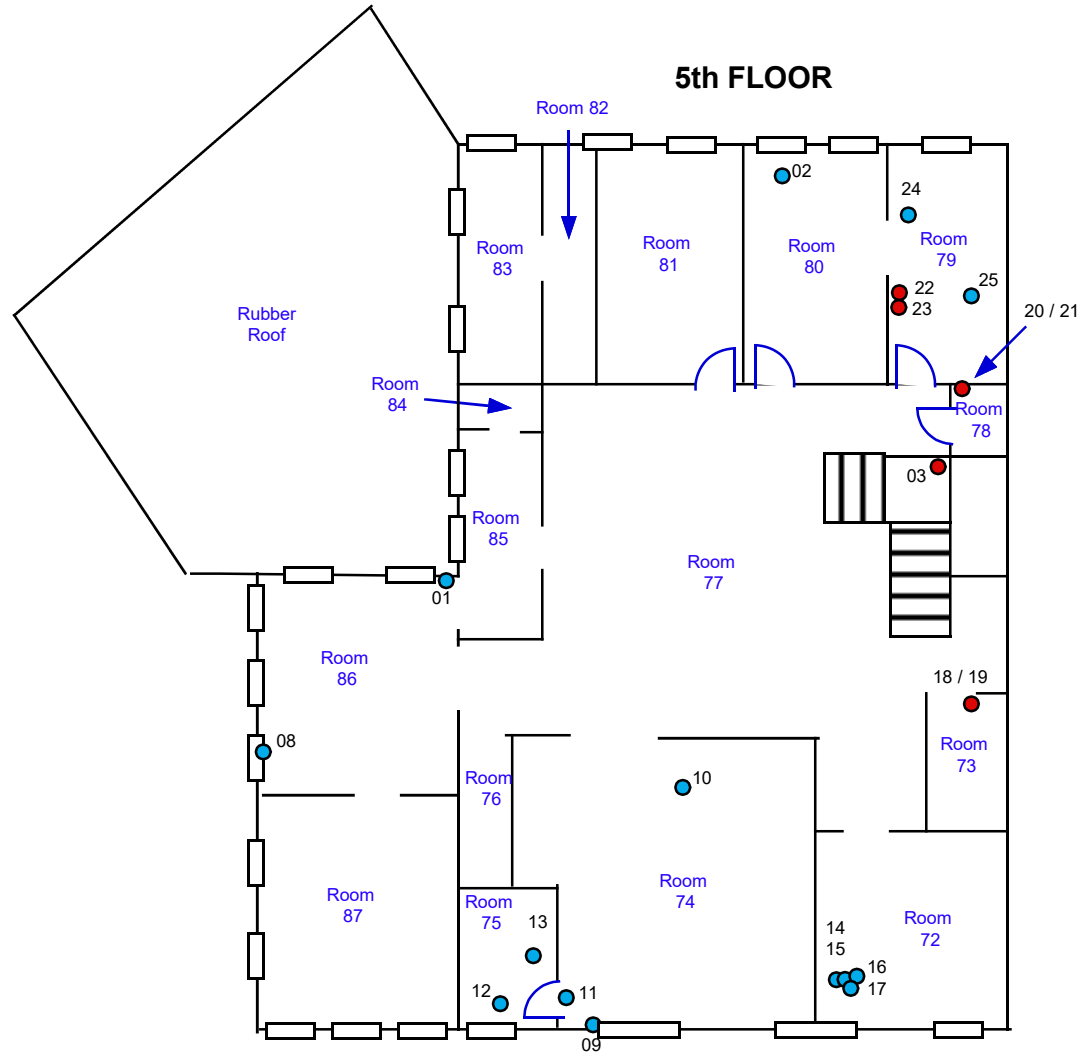
Material Description	Material Location	Estimated Quantity	Condition	Sample Numbers
Plaster	Walls and Ceilings	Est. 70,810 SF	Fair	CAC20034-03 CAC20034-05
White Pebble Pattern Vinyl Sheet Flooring	Room 73	Est. 84 SF	Fair	CAC20034-18 CAC20034-19
White Pitted Vinyl Sheet Flooring	Room 78	Est. 18 SF	Fair	CAC20034-20 CAC20034-21
Green Vinyl Sheet Flooring	Room 79 (Top Layer)	Est. 180 SF	Fair	CAC20034-22 CAC20034-23
Blue Floor Tile	Room 62 (Under Carpet)	Est. 334 SF	Fair	CAC20034-26 CAC20034-27
Pebble Pattern Vinyl Sheet Flooring	Room 63 (Under Carpet)	Est. 207 SF	Fair	CAC20034-28 CAC20034-29
Stone Pattern Vinyl Sheet Flooring	Room 47 (Under Carpet)	Est. 764 SF	Fair	CAC20034-38 CAC20034-39
Brown Floor Tile	Room 47 (Bottom Layer)	Est. 764 SF	Fair	CAC20034-40 CAC20034-41
Green/White Vinyl Sheet Flooring	Room 53	Est. 17 SF	Fair	CAC20034-44 CAC20034-45
Tan Floor Tile	Stairwell 4th-3rd Landing	Est. 25 SF	Fair	CAC20034-48 CAC20034-49
Tan Floor Tile (Rubber)	Stairwell 4th-3rd Tread	Est. 16 SF	Fair	CAC20034-50 CAC20034-51
Black Floor Tile and Mastic	Room 30 (Under Carpet)	Est. 549 SF	Fair	CAC20034-52 CAC20034-53
Brick Pattern Vinyl Sheet Flooring	Room 30 (Front of Room)	Est. 165 SF	Fair	CAC20034-54 CAC20034-55
Tan Floor Tile	Room 32 (Under Carpet)	Est. 369 SF	Fair	CAC20034-56 CAC20034-57
Brown Floor Tile	Room 32	Est. 60 SF	Fair	CAC20034-60 CAC20034-61
Tan Floor Tile	Room 32	Est. 60 SF	Fair	CAC20034-62 CAC20034-63
Maroon Floor Tile	Room 37	Est. 91 SF	Fair	CAC20034-64
Black Floor Tile	Room 37	Est. 91 SF	Fair	CAC20034-65
Grey Floor Tile	Room 46 (Top Layer)	Est. 55 SF	Fair	CAC20034-70 CAC20034-71

Notes:
SF = Square Feet

FIGURES



5th FLOOR



* last 2 digits of sample location correspond with the last 2 digits of C&A sample number on Table 1

● Negative Sample

● Positive Sample

Scale Approximate
For Illustration Purposes Only

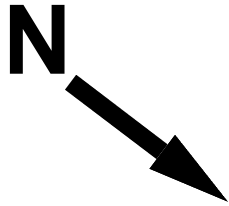


Cira and Associates Consulting LLC

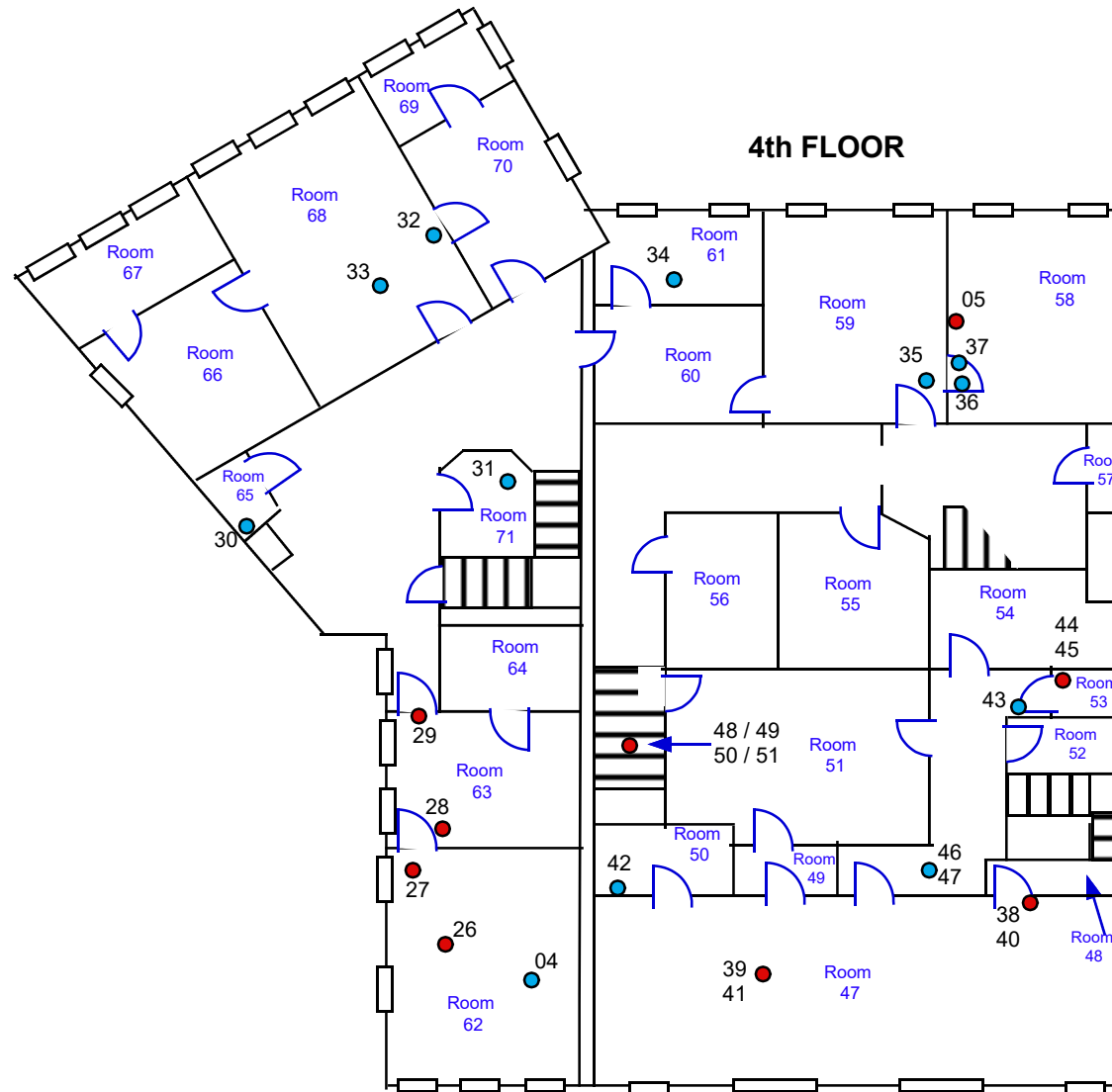
Sample Locations
5th Floor
211 Monroe Street
Fairmont, WV

Figure 1

C&A Project No.
CAC20034



4th FLOOR



* last 2 digits of sample location correspond with the last 2 digits of C&A sample number on Table 1

● Negative Sample

● Positive Sample

Scale Approximate
For Illustration Purposes Only

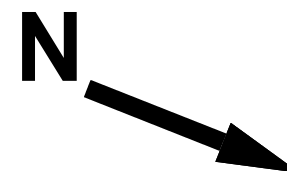
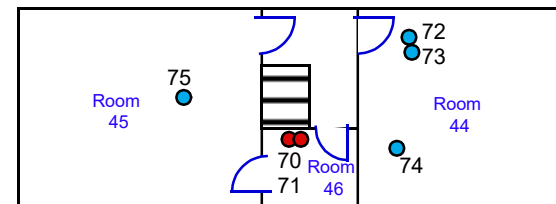


Cira and Associates Consulting LLC

Sample Locations
4th Floor
211 Monroe Street
Fairmont, WV

Figure 2

C&A Project No.
CAC20034

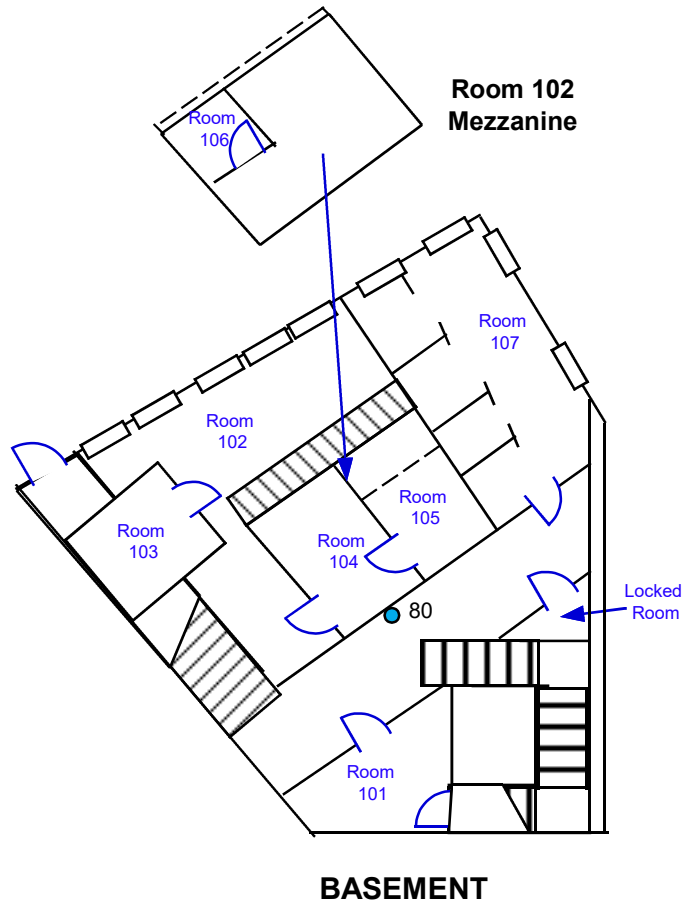


Cira and Associates Consulting LLC

Sample Locations
Third Floor
211 Monroe Street
Fairmont, WV

Figure 3

C&A Project No.
CAC20034



● Negative Sample

● Positive Sample

Scale Approximate
For Illustration Purposes Only

* last 2 digits of sample location correspond with the last 2 digits of C&A sample number on Table 1

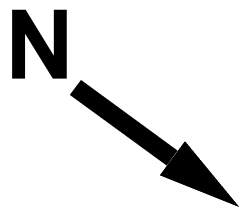


Cira and Associates Consulting LLC

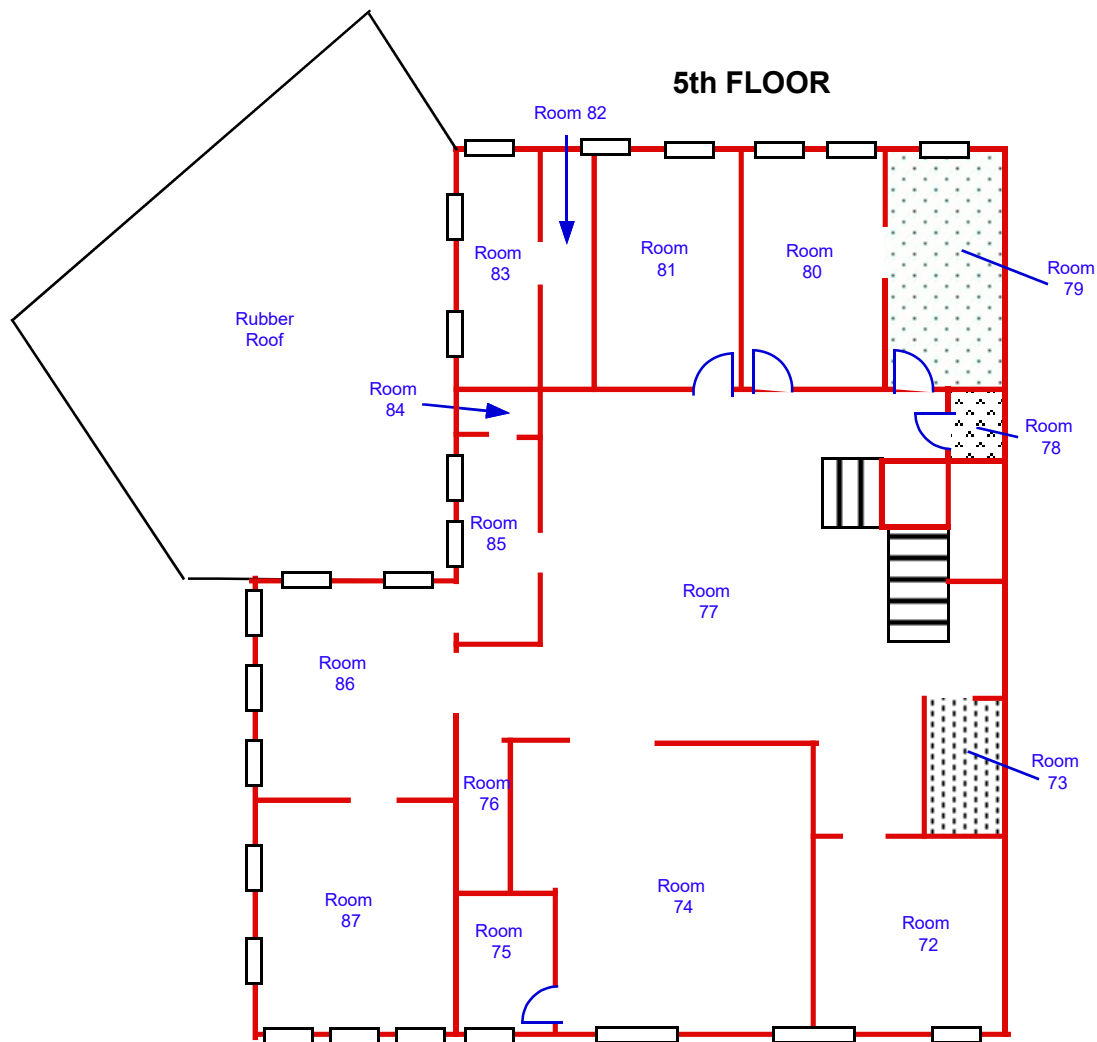
Sample Locations
Basement
211 Monroe Street
Fairmont, WV

Figure 4




C&A Project No.
CAC20034



5th FLOOR



* Not Shown -- All ceilings are ACM Plaster.

- ACM Plaster Walls
-  ACM White Pitted VSF
-  ACM White Pebble Pattern VSF
-  ACM Green VSF

Scale Approximate
For Illustration Purposes Only

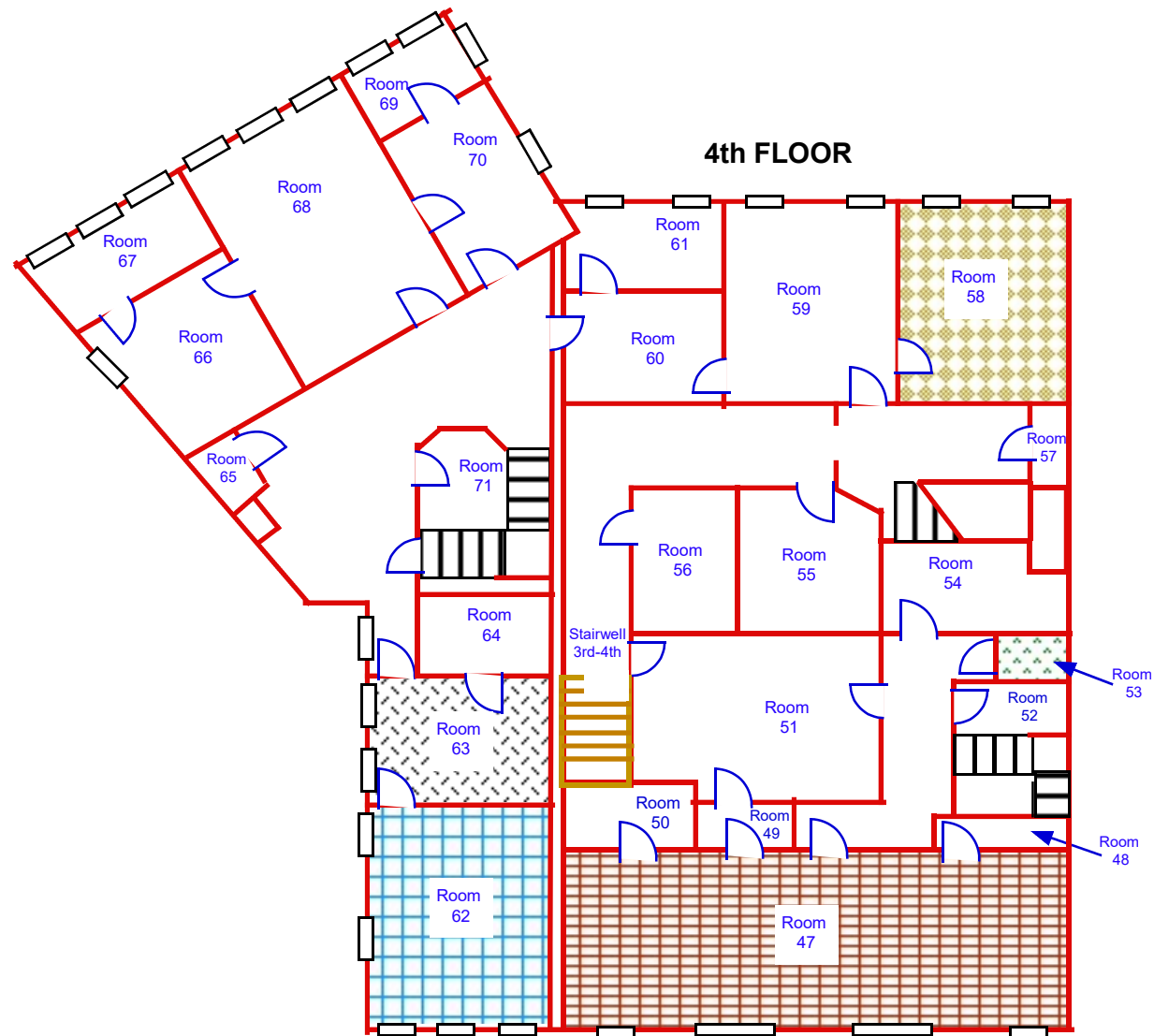
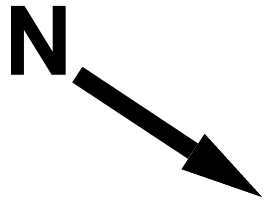


Cira and Associates Consulting LLC

ACM Locations
5th Floor
211 Monroe Street
Fairmont, WV

Figure 5

C&A Project No.
CAC20034



* Not Shown -- All ceilings are ACM Plaster.

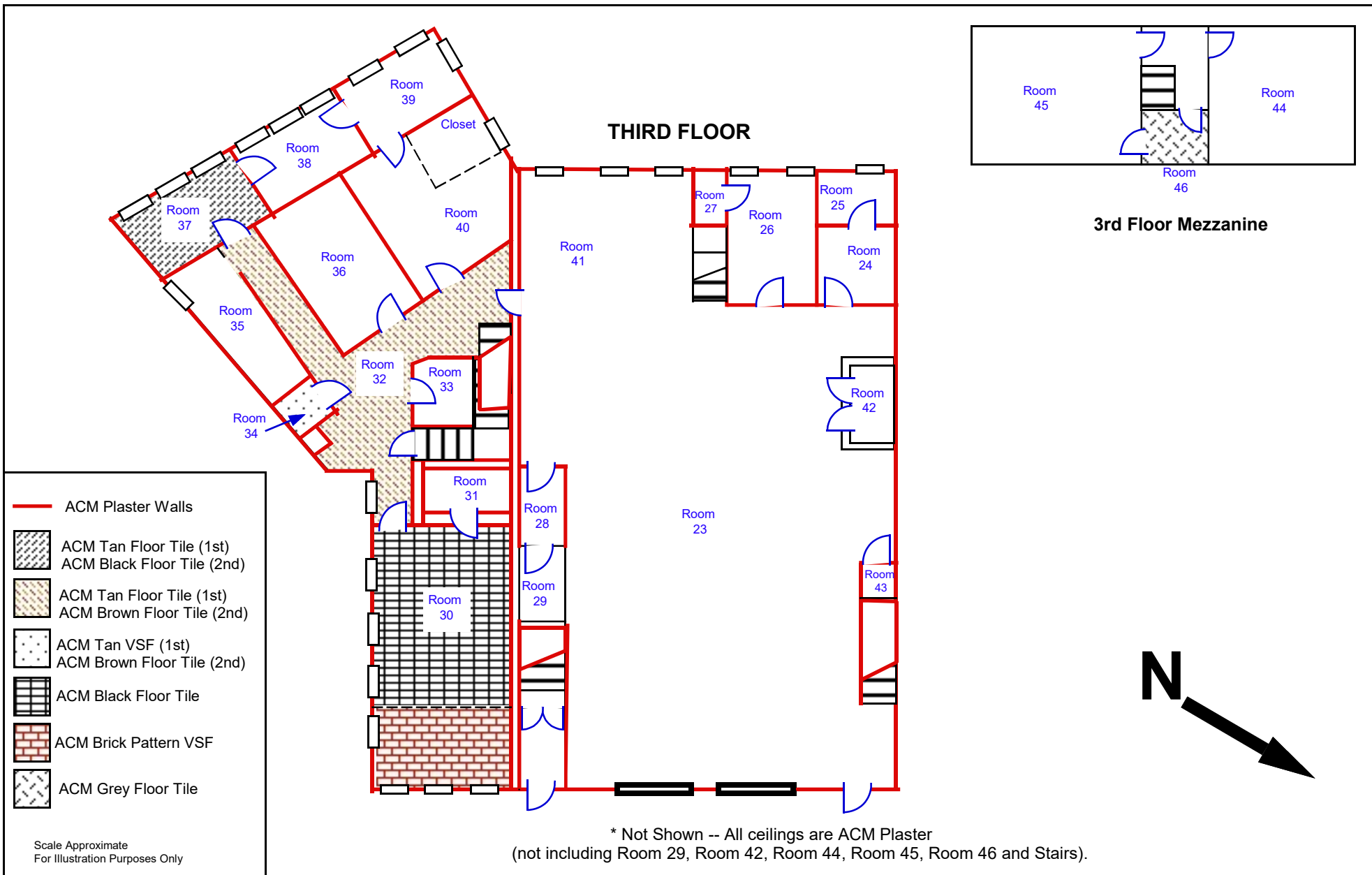


Cira and Associates Consulting LLC

ACM Locations
4th Floor
211 Monroe Street
Fairmont, WV

Figure 6

C&A Project No.
CAC20034



Cira and Associates Consulting LLC

ACM Locations
Third Floor
211 Monroe Street
Fairmont, WV

Figure 7

C&A Project No.
CAC20034

APPENDIX 1

CERTIFICATIONS



WEST VIRGINIA

Asbestos Program

Charles J. Cira

License #: AP002786

Issued: 4/22/2019

Expires: 4/30/2020

Walter M. Dwyer

IS LICENSED AS AN
**ASBESTOS MANAGEMENT
PLANNER**

Director
WV OEHS



WEST VIRGINIA

Asbestos Program

Charles J. Cira

License #: AI010210

Issued: 4/22/2019

Expires: 4/30/2020

Walter M. Dwyer

IS LICENSED AS AN
ASBESTOS INSPECTOR

Director
WV OEHS



WEST VIRGINIA

Asbestos Program

Charles J. Cira

License #: AS018863

Issued: 4/22/2019

Expires: 4/30/2020

Walter M. Dwyer

IS LICENSED AS AN
ASBESTOS SUPERVISOR

Director
WV OEHS



WEST VIRGINIA

Asbestos Program

Charles J. Cira

License #: AD004174

Issued: 4/22/2019

Expires: 4/30/2020

Walter M. Dwyer

IS LICENSED AS AN
**ASBESTOS PROJECT
DESIGNER**

Director
WV OEHS

APPENDIX 2

Laboratory Results

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601


Client: CIR863

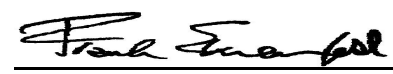
Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983415 Client No.: CAC20034-01 <u>Percent Asbestos:</u> PC 0.25 Chrysotile	Analyst Observation: Tan Plaster Client Description: Grey Plaster <u>Percent Non-Asbestos Fibrous Material:</u> 1 Hair	Location: Room 86 Wall Facility: <u>Percent Non-Fibrous Material:</u> 98.75
Lab No.: 6983415(L2) Client No.: CAC20034-01 <u>Percent Asbestos:</u> None Detected	Analyst Observation: Off-White Plaster Client Description: Grey Plaster <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 86 Wall Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983416 Client No.: CAC20034-02 <u>Percent Asbestos:</u> PC Trace Chrysotile	Analyst Observation: Tan Plaster Client Description: Grey Plaster <u>Percent Non-Asbestos Fibrous Material:</u> 2 Cellulose 1 Hair	Location: Room 80 Ceiling Facility: <u>Percent Non-Fibrous Material:</u> 97
Lab No.: 6983416(L2) Client No.: CAC20034-02 <u>Percent Asbestos:</u> None Detected	Analyst Observation: Off-White Plaster Client Description: Grey Plaster <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 80 Ceiling Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983417 Client No.: CAC20034-03 <u>Percent Asbestos:</u> PC 1.2 Chrysotile	Analyst Observation: Tan Plaster Client Description: Grey Plaster <u>Percent Non-Asbestos Fibrous Material:</u> 2 Hair	Location: Stairwell 5th-4th Wall Facility: <u>Percent Non-Fibrous Material:</u> 96.8
Lab No.: 6983417(L2) Client No.: CAC20034-03 <u>Percent Asbestos:</u> None Detected	Analyst Observation: Off-White Plaster Client Description: Grey Plaster <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Stairwell 5th-4th Wall Facility: <u>Percent Non-Fibrous Material:</u> 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601


Client: CIR863

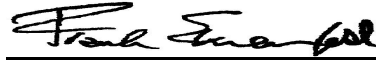
Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983418 Client No.: CAC20034-04 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Tan Plaster Client Description: Grey Plaster <u>Percent Non-Asbestos Fibrous Material:</u> 2 Hair	Location: Room 62 Ceiling Facility: <u>Percent Non-Fibrous Material:</u> 98
Lab No.: 6983418(L2) Client No.: CAC20034-04 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Off-White Plaster Client Description: Grey Plaster <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 62 Ceiling Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983419 Client No.: CAC20034-05 <u>Percent Asbestos:</u> <i>PC 1.1 Chrysotile</i>	Analyst Observation: Tan Plaster Client Description: Grey Plaster <u>Percent Non-Asbestos Fibrous Material:</u> 3 Hair	Location: Room 58 Wall Facility: <u>Percent Non-Fibrous Material:</u> 95.9
Lab No.: 6983419(L2) Client No.: CAC20034-05 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Off-White Plaster Client Description: Grey Plaster <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 58 Wall Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983420 Client No.: CAC20034-06 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Tan Plaster Client Description: Grey Plaster <u>Percent Non-Asbestos Fibrous Material:</u> 3 Hair	Location: Room 36 Wall Facility: <u>Percent Non-Fibrous Material:</u> 97
Lab No.: 6983420(L2) Client No.: CAC20034-06 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Off-White Plaster Client Description: Grey Plaster <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 36 Wall Facility: <u>Percent Non-Fibrous Material:</u> 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601


Client: CIR863

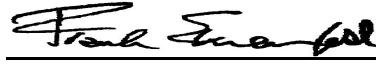
Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983420(L3) Client No.: CAC20034-06	Analyst Observation: White/Yellow Paint/Texture Client Description: Grey Plaster	Location: Room 36 Wall Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983421 Client No.: CAC20034-07	Analyst Observation: Dk Tan Plaster Client Description: Grey Plaster	Location: Room 41 Ceiling Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983421(L2) Client No.: CAC20034-07	Analyst Observation: Lt Tan/White Plaster Client Description: Grey Plaster	Location: Room 41 Ceiling Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983422 Client No.: CAC20034-08	Analyst Observation: Tan Glazing Client Description: Grey Window Glazing	Location: Room 86 Window Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983423 Client No.: CAC20034-09	Analyst Observation: Tan Glazing Client Description: Grey Window Glazing	Location: Room 74 Window Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983424 Client No.: CAC20034-10	Analyst Observation: Tan/Black Vinyl Sheet Flooring Client Description: Brown Vinyl Sheet Flooring	Location: Room 74 (Under Carpet) Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 40 Cellulose	<u>Percent Non-Fibrous Material:</u> 60

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601

Client: CIR863

Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983424(L2)
Client No.: CAC20034-10

Percent Asbestos:
None Detected

Analyst Observation: Dk Brown Mastic
Client Description: Brown Vinyl Sheet Flooring

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 74 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983425
Client No.: CAC20034-11

Percent Asbestos:
None Detected

Analyst Observation: Tan/Black Vinyl Sheet Flooring
Client Description: Brown Vinyl Sheet Flooring

Percent Non-Asbestos Fibrous Material:
40 Cellulose

Location: Room 74 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
60

Lab No.: 6983425(L2)
Client No.: CAC20034-11

Percent Asbestos:
None Detected

Analyst Observation: Dk Blue/Black Mastic
Client Description: Brown Vinyl Sheet Flooring

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 74 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983425(L3)
Client No.: CAC20034-11

Percent Asbestos:
None Detected

Analyst Observation: Clear/Yellow Mastic/Substrate
Client Description: Brown Vinyl Sheet Flooring

Percent Non-Asbestos Fibrous Material:
5 Cellulose

Location: Room 74 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
95

Lab No.: 6983426
Client No.: CAC20034-12

Percent Asbestos:
None Detected

Analyst Observation: Brown/Tan Vinyl Sheet Flooring
Client Description: Faux Wood Vinyl Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 75
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983426(L2)
Client No.: CAC20034-12

Percent Asbestos:
None Detected


Analyst Observation: Clear Mastic
Client Description: Faux Wood Vinyl Floor Tile

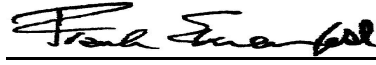
Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 75
Facility:

Percent Non-Fibrous Material:
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601


Client: CIR863

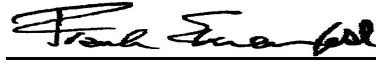
Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983427 Client No.: CAC20034-13 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Brown/Tan Vinyl Sheet Flooring Client Description: Faux Wood Vinyl Floor Tile <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 75 Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983427(L2) Client No.: CAC20034-13 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Clear Mastic Client Description: Faux Wood Vinyl Floor Tile <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 75 Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983428 Client No.: CAC20034-14 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Dk Brown Vinyl Sheet Flooring Client Description: Red Floor Backing <u>Percent Non-Asbestos Fibrous Material:</u> 60 Cellulose	Location: Room 72 (Top Layer) Facility: <u>Percent Non-Fibrous Material:</u> 40
Lab No.: 6983428(L2) Client No.: CAC20034-14 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Dk Blue/Black Mastic Client Description: Red Floor Backing <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 72 (Top Layer) Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983428(L3) Client No.: CAC20034-14 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Green Underlayment Client Description: Red Floor Backing <u>Percent Non-Asbestos Fibrous Material:</u> 95 Cellulose	Location: Room 72 (Top Layer) Facility: <u>Percent Non-Fibrous Material:</u> 5
Lab No.: 6983429 Client No.: CAC20034-15 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Red Floor Material Client Description: Red Floor Backing <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 72 (Top Layer) Facility: <u>Percent Non-Fibrous Material:</u> 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601


Client: CIR863

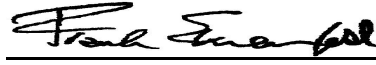
Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983430 Client No.: CAC20034-16 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Dk Red Vinyl Sheet Flooring Client Description: Brown Vinyl Sheet Flooring <u>Percent Non-Asbestos Fibrous Material:</u> 60 Cellulose	Location: Room 72 (Under Floor Backing) Facility: <u>Percent Non-Fibrous Material:</u> 40
Lab No.: 6983430(L2) Client No.: CAC20034-16 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Dk Beige Mastic Client Description: Brown Vinyl Sheet Flooring <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 72 (Under Floor Backing) Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983430(L3) Client No.: CAC20034-16 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Green Underlayment Client Description: Brown Vinyl Sheet Flooring <u>Percent Non-Asbestos Fibrous Material:</u> 95 Cellulose	Location: Room 72 (Under Floor Backing) Facility: <u>Percent Non-Fibrous Material:</u> 5
Lab No.: 6983430(L4) Client No.: CAC20034-16 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Red Floor Material Client Description: Brown Vinyl Sheet Flooring <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 72 (Under Floor Backing) Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983431 Client No.: CAC20034-17 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Lt Brown Vinyl Sheet Flooring Client Description: Brown Vinyl Sheet Flooring <u>Percent Non-Asbestos Fibrous Material:</u> 60 Cellulose	Location: Room 72 (Under Floor Backing) Facility: <u>Percent Non-Fibrous Material:</u> 40
Lab No.: 6983431(L2) Client No.: CAC20034-17 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Dk Beige Mastic Client Description: Brown Vinyl Sheet Flooring <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 72 (Under Floor Backing) Facility: <u>Percent Non-Fibrous Material:</u> 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601

Client: CIR863

Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983431(L3)	Analyst Observation: Green Underlayment	Location: Room 72 (Under Floor Backing)
Client No.: CAC20034-17	Client Description: Brown Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	95 Cellulose	5

Lab No.: 6983432	Analyst Observation: Off-White Vinyl Sheet Flooring	Location: Room 73
Client No.: CAC20034-18	Client Description: White Pebble Pattern Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>PC 4.7 Chrysotile</i>	None Detected	95.3

Note: Insufficient mastic provided for analysis.

Lab No.: 6983433	Analyst Observation: Off-White Vinyl Sheet Flooring	Location: Room 73
Client No.: CAC20034-19	Client Description: White Pebble Pattern Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>PC 4.2 Chrysotile</i>	None Detected	95.8


Note: Insufficient mastic provided for analysis.

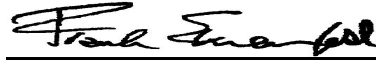
Lab No.: 6983434	Analyst Observation: Off-White Vinyl Sheet Flooring	Location: Room 78
Client No.: CAC20034-20	Client Description: White Pitted Vinyl Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>PC 6.1 Chrysotile</i>	None Detected	93.9

Lab No.: 6983434(L2)	Analyst Observation: Tan Mastic	Location: Room 78
Client No.: CAC20034-20	Client Description: White Pitted Vinyl Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 6983435	Analyst Observation: White Vinyl Sheet Flooring	Location: Room 78
Client No.: CAC20034-21	Client Description: White Pitted Vinyl Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>PC 7.5 Chrysotile</i>	None Detected	92.5

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601


Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

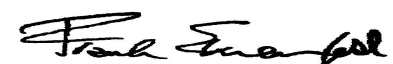
Client: CIR863

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983435(L2) Client No.: CAC20034-21	Analyst Observation: Tan Mastic Client Description: White Pitted Vinyl Floor Tile	Location: Room 78 Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983436 Client No.: CAC20034-22	Analyst Observation: Lt Green Vinyl Sheet Flooring Client Description: Green Vinyl Floor Tile	Location: Room 79 (Top Layer) Facility:
<u>Percent Asbestos:</u> <i>PC 5.3 Chrysotile</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 94.7
Lab No.: 6983436(L2) Client No.: CAC20034-22	Analyst Observation: Tan Mastic Client Description: Green Vinyl Floor Tile	Location: Room 79 (Top Layer) Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983437 Client No.: CAC20034-23	Analyst Observation: Lt Green Vinyl Sheet Flooring Client Description: Green Vinyl Floor Tile	Location: Room 79 (Top Layer) Facility:
<u>Percent Asbestos:</u> <i>PC 4.8 Chrysotile</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 95.2
Lab No.: 6983437(L2) Client No.: CAC20034-23	Analyst Observation: Tan Mastic Client Description: Green Vinyl Floor Tile	Location: Room 79 (Top Layer) Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983438 Client No.: CAC20034-24	Analyst Observation: Dk Red Vinyl Sheet Flooring Client Description: Maroon Floor Tile	Location: Room 79 (Under Carpet) Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 60 Cellulose	<u>Percent Non-Fibrous Material:</u> 40

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601

Client: CIR863

Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983438(L2)
Client No.: CAC20034-24

Percent Asbestos:
None Detected

Analyst Observation: White Mastic
Client Description: Maroon Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 79 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983438(L3)
Client No.: CAC20034-24

Percent Asbestos:
None Detected

Analyst Observation: Dk Grey Underlayment
Client Description: Maroon Floor Tile

Percent Non-Asbestos Fibrous Material:
40 Cellulose
30 Hair

Location: Room 79 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
30

Lab No.: 6983439
Client No.: CAC20034-25

Percent Asbestos:
None Detected

Analyst Observation: Dk Red Vinyl Sheet Flooring
Client Description: Maroon Floor Tile

Percent Non-Asbestos Fibrous Material:
60 Cellulose

Location: Room 79 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
40

Lab No.: 6983439(L2)
Client No.: CAC20034-25

Percent Asbestos:
None Detected

Analyst Observation: White Mastic
Client Description: Maroon Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 79 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983440
Client No.: CAC20034-26

Percent Asbestos:
PC 2.2 Chrysotile

Analyst Observation: Blue Vinyl Sheet Flooring
Client Description: Blue Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 62 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
97.8

Analyzed by Linda Price 3/11/20.

Lab No.: 6983440(L2)
Client No.: CAC20034-26

Percent Asbestos:
None Detected


Analyst Observation: Tan Mastic
Client Description: Blue Floor Tile

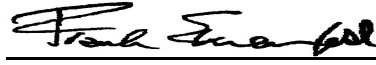
Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 62 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601

Client: CIR863

Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983441
Client No.: CAC20034-27

Percent Asbestos:
PC 1.8 Chrysotile

Analyst Observation: Blue Vinyl Sheet Flooring
Client Description: Blue Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 62 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
98.2

Analyzed by Linda Price 3/11/20.

Lab No.: 6983441(L2)
Client No.: CAC20034-27

Percent Asbestos:
None Detected

Analyst Observation: Tan Mastic
Client Description: Blue Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 62 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983441(L3)
Client No.: CAC20034-27

Percent Asbestos:
None Detected

Analyst Observation: White Leveling Compound
Client Description: Blue Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 62 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983442
Client No.: CAC20034-28

Percent Asbestos:
15 Chrysotile

Analyst Observation: Tan Vinyl Sheet Flooring
Client Description: Pebble Pattern Vinyl Sheet Floor

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 63 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
85

Lab No.: 6983442(L2)
Client No.: CAC20034-28

Percent Asbestos:
None Detected

Analyst Observation: Dk Brown Mastic
Client Description: Pebble Pattern Vinyl Sheet Floor

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 63 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983442(L3)
Client No.: CAC20034-28

Percent Asbestos:
None Detected


Analyst Observation: White Leveling Compound
Client Description: Pebble Pattern Vinyl Sheet Floor

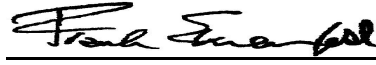
Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 63 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601

Client: CIR863

Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983442(L4)	Analyst Observation: Brown Underlayment	Location: Room 63 (Under Carpet)
Client No.: CAC20034-28	Client Description: Pebble Pattern Vinyl Sheet Floor	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	95 Cellulose	5

Lab No.: 6983443	Analyst Observation: Tan Vinyl Sheet Flooring	Location: Room 63 (Under Carpet)
Client No.: CAC20034-29	Client Description: Pebble Pattern Vinyl Sheet Floor	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>15 Chrysotile</i>	None Detected	85


Lab No.: 6983443(L2)	Analyst Observation: Dk Brown Mastic	Location: Room 63 (Under Carpet)
Client No.: CAC20034-29	Client Description: Pebble Pattern Vinyl Sheet Floor	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

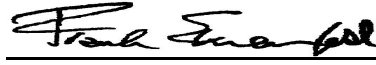
Lab No.: 6983443(L3)	Analyst Observation: Brown Underlayment	Location: Room 63 (Under Carpet)
Client No.: CAC20034-29	Client Description: Pebble Pattern Vinyl Sheet Floor	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	95 Cellulose	5

Lab No.: 6983444	Analyst Observation: Dk Brown/Tan Vinyl Sheet Flooring	Location: Room 65
Client No.: CAC20034-30	Client Description: Faux Wood Vinyl Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 6983444(L2)	Analyst Observation: Clear Mastic	Location: Room 65
Client No.: CAC20034-30	Client Description: Faux Wood Vinyl Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601

Client: CIR863

Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983445
Client No.: CAC20034-31

Percent Asbestos:
None Detected

Analyst Observation: Dk Brown/Tan Vinyl Sheet Flooring
Client Description: Faux Wood Vinyl Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 71
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983445(L2)
Client No.: CAC20034-31

Percent Asbestos:
None Detected

Analyst Observation: Clear Mastic
Client Description: Faux Wood Vinyl Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 71
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983446
Client No.: CAC20034-32

Percent Asbestos:
None Detected

Analyst Observation: Tan Green Vinyl Sheet Flooring
Client Description: Green Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 59 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983446(L2)
Client No.: CAC20034-32

Percent Asbestos:
None Detected

Analyst Observation: Dk Brown Mastic
Client Description: Green Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 59 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983446(L3)
Client No.: CAC20034-32

Percent Asbestos:
None Detected

Analyst Observation: Black Felt
Client Description: Green Floor Tile

Percent Non-Asbestos Fibrous Material:
70 Cellulose

Location: Room 59 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
30

Lab No.: 6983447
Client No.: CAC20034-33

Percent Asbestos:
None Detected


Analyst Observation: Tan Green Vinyl Sheet Flooring
Client Description: Green Floor Tile

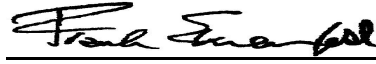
Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 59 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601

Client: CIR863

Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983447(L2)
Client No.: CAC20034-33

Percent Asbestos:
None Detected

Analyst Observation: Dk Brown Mastic
Client Description: Green Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 59 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983447(L3)
Client No.: CAC20034-33

Percent Asbestos:
None Detected

Analyst Observation: Black Felt
Client Description: Green Floor Tile

Percent Non-Asbestos Fibrous Material:
70 Cellulose

Location: Room 59 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
30

Lab No.: 6983448
Client No.: CAC20034-34

Percent Asbestos:
None Detected

Analyst Observation: Dk Red Vinyl Sheet Flooring
Client Description: Maroon Vinyl Sheet Flooring

Percent Non-Asbestos Fibrous Material:
60 Cellulose

Location: Room 61 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
40

Lab No.: 6983448(L2)
Client No.: CAC20034-34

Percent Asbestos:
None Detected

Analyst Observation: Dk Brown Mastic
Client Description: Maroon Vinyl Sheet Flooring

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 61 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983448(L3)
Client No.: CAC20034-34

Percent Asbestos:
None Detected

Analyst Observation: Grey Underlayment
Client Description: Maroon Vinyl Sheet Flooring

Percent Non-Asbestos Fibrous Material:
80 Cellulose

Location: Room 61 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
20

Lab No.: 6983449
Client No.: CAC20034-35

Percent Asbestos:
None Detected


Analyst Observation: Dk Brown Vinyl Sheet Flooring
Client Description: Maroon Vinyl Sheet Flooring

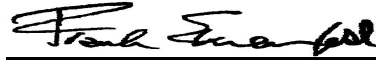
Percent Non-Asbestos Fibrous Material:
60 Cellulose

Location: Room 59 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
40

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601

Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

Client: CIR863

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983449(L2)	Analyst Observation: Clear/Black Mastic	Location: Room 59 (Under Carpet)
Client No.: CAC20034-35	Client Description: Maroon Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 6983450	Analyst Observation: Dk Brown Floor Material	Location: Room 58 (Under Carpet)
Client No.: CAC20034-36	Client Description: Red Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100


Lab No.: 6983450(L2)	Analyst Observation: Dk Brown/Red Mastic	Location: Room 58 (Under Carpet)
Client No.: CAC20034-36	Client Description: Red Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

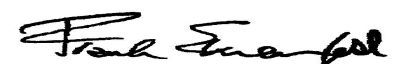
Lab No.: 6983451	Analyst Observation: Dk Brown Floor Material	Location: Room 58 (Under Carpet)
Client No.: CAC20034-37	Client Description: Red Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 6983451(L2)	Analyst Observation: Dk Brown/Red Mastic	Location: Room 58 (Under Carpet)
Client No.: CAC20034-37	Client Description: Red Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 6983452	Analyst Observation: Off-White/Grey Vinyl Sheet Flooring	Location: Room 58 (Under Carpet)
Client No.: CAC20034-38	Client Description: Stone Pattern Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>15 Chrysotile</i>	None Detected	85

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601

Client: CIR863

Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983452(L2)	Analyst Observation: Tan Mastic	Location: Room 58 (Under Carpet)
Client No.: CAC20034-38	Client Description: Stone Pattern Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 6983453	Analyst Observation: Off-White/Grey Vinyl Sheet Flooring	Location: Room 58 (Under Carpet)
Client No.: CAC20034-39	Client Description: Stone Pattern Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>15 Chrysotile</i>	None Detected	85


Lab No.: 6983453(L2)	Analyst Observation: Tan Mastic	Location: Room 58 (Under Carpet)
Client No.: CAC20034-39	Client Description: Stone Pattern Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

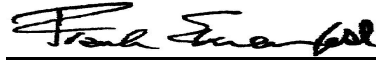
Lab No.: 6983454	Analyst Observation: Dk Brown Floor Tile	Location: Room 47 (Bottom Layer)
Client No.: CAC20034-40	Client Description: Brown Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>PC 1.4 Chrysotile</i>	None Detected	98.6

Lab No.: 6983454(L2)	Analyst Observation: Black Mastic	Location: Room 47 (Bottom Layer)
Client No.: CAC20034-40	Client Description: Brown Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 6983454(L3)	Analyst Observation: Tan Underlayment	Location: Room 47 (Bottom Layer)
Client No.: CAC20034-40	Client Description: Brown Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	80 Cellulose	20

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601

Client: CIR863

Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983455
Client No.: CAC20034-41

Percent Asbestos:
PC 1.3 Chrysotile

Analyst Observation: Dk Brown Floor Tile
Client Description: Brown Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 47 (Bottom Layer)
Facility:

Percent Non-Fibrous Material:
98.7

Lab No.: 6983455(L2)
Client No.: CAC20034-41

Percent Asbestos:
None Detected

Analyst Observation: Black Mastic
Client Description: Brown Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 47 (Bottom Layer)
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983455(L3)
Client No.: CAC20034-41

Percent Asbestos:
None Detected

Analyst Observation: Tan Underlayment
Client Description: Brown Floor Tile

Percent Non-Asbestos Fibrous Material:
90 Cellulose

Location: Room 47 (Bottom Layer)
Facility:

Percent Non-Fibrous Material:
10

Lab No.: 6983456
Client No.: CAC20034-42

Percent Asbestos:
None Detected

Analyst Observation: Dk Red Cove Base
Client Description: Maroon Cove Base

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 50 Wall
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983456(L2)
Client No.: CAC20034-42

Percent Asbestos:
None Detected

Analyst Observation: Dk Brown Mastic
Client Description: Maroon Cove Base

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 50 Wall
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983457
Client No.: CAC20034-43

Percent Asbestos:
None Detected


Analyst Observation: Dk Red Cove Base
Client Description: Maroon Cove Base

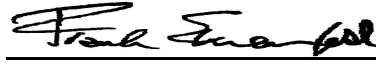
Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 53 Wall
Facility:

Percent Non-Fibrous Material:
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601

Client: CIR863

Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983457(L2)	Analyst Observation: Dk Brown Mastic	Location: Room 53 Wall
Client No.: CAC20034-43	Client Description: Maroon Cove Base	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 6983458	Analyst Observation: Dk Brown/Tan Vinyl Sheet Flooring	Location: Room 53
Client No.: CAC20034-44	Client Description: Green/White Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>20 Chrysotile</i>	None Detected	80


Lab No.: 6983458(L2)	Analyst Observation: Lt Tan Mastic	Location: Room 53
Client No.: CAC20034-44	Client Description: Green/White Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

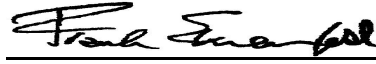
Lab No.: 6983459	Analyst Observation: Dk Brown/Tan Vinyl Sheet Flooring	Location: Room 53
Client No.: CAC20034-45	Client Description: Green/White Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>20 Chrysotile</i>	None Detected	80

Lab No.: 6983460	Analyst Observation: Dk Brown/Tan Vinyl Sheet Flooring	Location: Room 47 Hall Closet Floor
Client No.: CAC20034-46	Client Description: Brown/White Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	45 Cellulose 5 Fibrous Glass	50

Lab No.: 6983460(L2)	Analyst Observation: Lt Tan Mastic	Location: Room 47 Hall Closet Floor
Client No.: CAC20034-46	Client Description: Brown/White Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601

Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

Client: CIR863

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983460(L3)	Analyst Observation: Lt Brown Underlayment	Location: Room 47 Hall Closet Floor
Client No.: CAC20034-46	Client Description: Brown/White Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	90 Cellulose	10

Lab No.: 6983461	Analyst Observation: Dk Brown/Tan Vinyl Sheet Flooring	Location: Room 47 Hall Closet Floor
Client No.: CAC20034-47	Client Description: Brown/White Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	45 Cellulose 5 Fibrous Glass	50


Lab No.: 6983461(L2)	Analyst Observation: Lt Tan Mastic	Location: Room 47 Hall Closet Floor
Client No.: CAC20034-47	Client Description: Brown/White Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

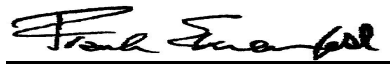
Lab No.: 6983461(L3)	Analyst Observation: Lt Brown Underlayment	Location: Room 47 Hall Closet Floor
Client No.: CAC20034-47	Client Description: Brown/White Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	90 Cellulose	10

Lab No.: 6983462	Analyst Observation: Tan Floor Tile	Location: Stairwell 4th-3rd Landing
Client No.: CAC20034-48	Client Description: Tan Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>PC 1.9 Chrysotile</i>	None Detected	98.1

Lab No.: 6983462(L2)	Analyst Observation: Lt Tan Mastic	Location: Stairwell 4th-3rd Landing
Client No.: CAC20034-48	Client Description: Tan Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601

Client: CIR863

Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983462(L3)	Analyst Observation: Black Felt	Location: Stairwell 4th-3rd Landing
Client No.: CAC20034-48	Client Description: Tan Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	70 Cellulose	30

Lab No.: 6983463	Analyst Observation: Tan Floor Tile	Location: Stairwell 4th-3rd Landing
Client No.: CAC20034-49	Client Description: Tan Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>PC 2.2 Chrysotile</i>	None Detected	97.8


Lab No.: 6983463(L2)	Analyst Observation: Tan Mastic	Location: Stairwell 4th-3rd Landing
Client No.: CAC20034-49	Client Description: Tan Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

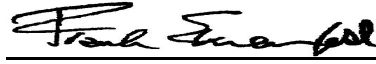
Lab No.: 6983464	Analyst Observation: Tan Rubber Tile	Location: Stairwell 4th-3rd Stair Tread
Client No.: CAC20034-50	Client Description: Tan Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>PC 1.1 Chrysotile</i>	None Detected	98.9

Lab No.: 6983465	Analyst Observation: Tan Rubber Tile	Location: Stairwell 4th-3rd Stair Tread
Client No.: CAC20034-51	Client Description: Tan Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>PC 1.0 Chrysotile</i>	None Detected	99

Lab No.: 6983466	Analyst Observation: Black Floor Tile	Location: Room 30 (Under Carpet)
Client No.: CAC20034-52	Client Description: Black Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>PC 3.1 Chrysotile</i>	None Detected	96.9

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601

Client: CIR863

Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983466(L2)
Client No.: CAC20034-52

Percent Asbestos:
PC 4.9 Chrysotile

Analyst Observation: Black Mastic
Client Description: Black Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 30 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
95.1

Lab No.: 6983466(L3)
Client No.: CAC20034-52

Percent Asbestos:
None Detected

Analyst Observation: Tan Mastic
Client Description: Black Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 30 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983467
Client No.: CAC20034-53

Percent Asbestos:
PC 3.6 Chrysotile

Analyst Observation: Grey Floor Tile
Client Description: Black Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 30 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
96.4

Lab No.: 6983467(L2)
Client No.: CAC20034-53

Percent Asbestos:
PC 4.2 Chrysotile

Analyst Observation: Black Mastic
Client Description: Black Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 30 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
95.8

Lab No.: 6983467(L3)
Client No.: CAC20034-53

Percent Asbestos:
None Detected

Analyst Observation: Tan Mastic
Client Description: Black Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 30 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983468
Client No.: CAC20034-54

Percent Asbestos:
15 Chrysotile


Analyst Observation: Red Vinyl Sheet Flooring
Client Description: Brick Pattern Vinyl Sheet Flooring

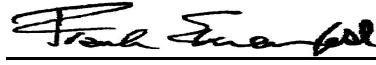
Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 30 (Front of Room)
Facility:

Percent Non-Fibrous Material:
85

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601

Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

Client: CIR863

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983469	Analyst Observation: Red Vinyl Sheet Flooring	Location: Room 30 (Front of Room)
Client No.: CAC20034-55	Client Description: Brick Pattern Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
15 Chrysotile	None Detected	85

Lab No.: 6983469(L2)	Analyst Observation: Tan Mastic	Location: Room 30 (Front of Room)
Client No.: CAC20034-55	Client Description: Brick Pattern Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
None Detected	None Detected	100


Lab No.: 6983470	Analyst Observation: Lt Tan Vinyl Sheet Flooring	Location: Room 32 (Under Carpet)
Client No.: CAC20034-56	Client Description: Tan Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
15 Chrysotile	None Detected	85

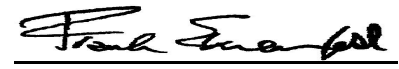
Lab No.: 6983470(L2)	Analyst Observation: Tan Mastic	Location: Room 32 (Under Carpet)
Client No.: CAC20034-56	Client Description: Tan Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
None Detected	None Detected	100

Lab No.: 6983470(L3)	Analyst Observation: Brown Underlayment	Location: Room 32 (Under Carpet)
Client No.: CAC20034-56	Client Description: Tan Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
None Detected	90 Cellulose	10

Lab No.: 6983470(L4)	Analyst Observation: Tan Mastic	Location: Room 32 (Under Carpet)
Client No.: CAC20034-56	Client Description: Tan Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
None Detected	None Detected	100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601


Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

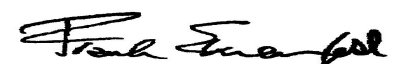
Client: CIR863

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983471 Client No.: CAC20034-57	Analyst Observation: Lt Tan Vinyl Sheet Flooring Client Description: Tan Floor Tile	Location: Room 32 (Under Carpet) Facility:
<u>Percent Asbestos:</u> 15 Chrysotile	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 85
Lab No.: 6983471(L2) Client No.: CAC20034-57	Analyst Observation: Lt Tan/Brown Mastic Client Description: Tan Floor Tile	Location: Room 32 (Under Carpet) Facility:
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> 20 Cellulose	<u>Percent Non-Fibrous Material:</u> 80
Lab No.: 6983471(L3) Client No.: CAC20034-57	Analyst Observation: Tan/Grey Mastic Client Description: Tan Floor Tile	Location: Room 32 (Under Carpet) Facility:
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983472 Client No.: CAC20034-58	Analyst Observation: Tan/Yellow Vinyl Sheet Flooring Client Description: Tan Vinyl Sheet Flooring	Location: Room 34 (Top Layer) Facility:
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983473 Client No.: CAC20034-59	Analyst Observation: Tan/Yellow Vinyl Sheet Flooring Client Description: Tan Vinyl Sheet Flooring	Location: Room 34 (Top Layer) Facility:
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983474 Client No.: CAC20034-60	Analyst Observation: Dk Brown Floor Tile Client Description: Brown Floor Tile	Location: Room 34 (2nd Layer) Facility:
<u>Percent Asbestos:</u> PC 6.3 Chrysotile	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 93.7

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601


Client: CIR863

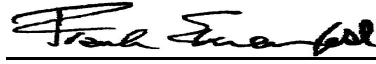
Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983474(L2) Client No.: CAC20034-60	Analyst Observation: Black Mastic Client Description: Brown Floor Tile	Location: Room 34 (2nd Layer) Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 20 Cellulose	<u>Percent Non-Fibrous Material:</u> 80
Lab No.: 6983475 Client No.: CAC20034-61	Analyst Observation: Dk Brown Floor Tile Client Description: Tan Floor Tile	Location: Room 32 (Under Carpet) Facility:
<u>Percent Asbestos:</u> <i>PC 5.1 Chrysotile</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 94.9
Lab No.: 6983475(L2) Client No.: CAC20034-61	Analyst Observation: Black Mastic Client Description: Tan Floor Tile	Location: Room 32 (Under Carpet) Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 30 Cellulose	<u>Percent Non-Fibrous Material:</u> 70
Lab No.: 6983476 Client No.: CAC20034-62	Analyst Observation: Lt Tan Vinyl Sheet Flooring Client Description: Tan Floor Tile	Location: Room 32 (Under Carpet) Facility:
<u>Percent Asbestos:</u> <i>20 Chrysotile</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 80
Lab No.: 6983476(L2) Client No.: CAC20034-62	Analyst Observation: Dk Brown/Tan Mastic Client Description: Tan Floor Tile	Location: Room 32 (Under Carpet) Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 30 Cellulose	<u>Percent Non-Fibrous Material:</u> 70
Lab No.: 6983476(L3) Client No.: CAC20034-62	Analyst Observation: Lt Tan/Grey Mastic Client Description: Tan Floor Tile	Location: Room 32 (Under Carpet) Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 5 Synthetic	<u>Percent Non-Fibrous Material:</u> 95

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601

Client: CIR863

Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983477
Client No.: CAC20034-63

Percent Asbestos:
20 Chrysotile

Analyst Observation: Lt Tan Vinyl Sheet Flooring
Client Description: Tan Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 37 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
80

Lab No.: 6983477(L2)
Client No.: CAC20034-63

Percent Asbestos:
None Detected

Analyst Observation: Dk Brown Mastic
Client Description: Tan Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 37 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983477(L3)
Client No.: CAC20034-63

Percent Asbestos:
None Detected

Analyst Observation: Brown Underlayment
Client Description: Tan Floor Tile

Percent Non-Asbestos Fibrous Material:
90 Cellulose

Location: Room 37 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
10

Lab No.: 6983477(L4)
Client No.: CAC20034-63

Percent Asbestos:
None Detected

Analyst Observation: Tan Mastic
Client Description: Tan Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 37 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983477(L5)
Client No.: CAC20034-63

Percent Asbestos:
None Detected


Analyst Observation: Red/White Carpet
Client Description: Tan Floor Tile

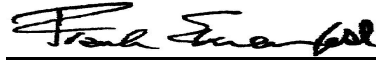
Percent Non-Asbestos Fibrous Material:
95 Synthetic

Location: Room 37 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
5

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/10/2020
Signature: 
Analyst: Christopher Riffe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601


Client: CIR863

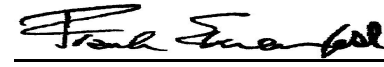
Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983478 Client No.: CAC20034-64 <u>Percent Asbestos:</u> 10 Chrysotile	Analyst Observation: Dk Brown Floor Tile Client Description: Maroon Floor Tile <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 32 (Under Tan Floor Tile) Facility: <u>Percent Non-Fibrous Material:</u> 90
Lab No.: 6983478(L2) Client No.: CAC20034-64 <u>Percent Asbestos:</u> None Detected	Analyst Observation: Black Mastic Client Description: Maroon Floor Tile <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 32 (Under Tan Floor Tile) Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983478(L3) Client No.: CAC20034-64 <u>Percent Asbestos:</u> None Detected	Analyst Observation: Black Underlayment Client Description: Maroon Floor Tile <u>Percent Non-Asbestos Fibrous Material:</u> 80 Cellulose	Location: Room 32 (Under Tan Floor Tile) Facility: <u>Percent Non-Fibrous Material:</u> 20
Lab No.: 6983479 Client No.: CAC20034-65 <u>Percent Asbestos:</u> 10 Chrysotile	Analyst Observation: Black Floor Tile Client Description: Black Floor Tile <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 37 (Under Tan Floor Tile) Facility: <u>Percent Non-Fibrous Material:</u> 90
Lab No.: 6983479(L2) Client No.: CAC20034-65 <u>Percent Asbestos:</u> None Detected	Analyst Observation: Black Mastic Client Description: Black Floor Tile <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 37 (Under Tan Floor Tile) Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983479(L3) Client No.: CAC20034-65 <u>Percent Asbestos:</u> None Detected	Analyst Observation: Black Underlayment Client Description: Black Floor Tile <u>Percent Non-Asbestos Fibrous Material:</u> 20 Cellulose	Location: Room 37 (Under Tan Floor Tile) Facility: <u>Percent Non-Fibrous Material:</u> 80

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/11/2020
Signature: 
Analyst: Tiffany Lowe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601


Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

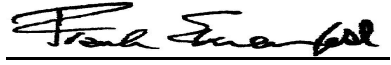
Client: CIR863

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983479(L4) Client No.: CAC20034-65	Analyst Observation: Brown Mastic Client Description: Black Floor Tile	Location: Room 37 (Under Tan Floor Tile) Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983480 Client No.: CAC20034-66	Analyst Observation: Grey Floor Tile Client Description: Grey Floor Tile	Location: Room 40 Closet Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 20 Cellulose	<u>Percent Non-Fibrous Material:</u> 80
Lab No.: 6983480(L2) Client No.: CAC20034-66	Analyst Observation: Tan Mastic Client Description: Grey Floor Tile	Location: Room 40 Closet Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983481 Client No.: CAC20034-67	Analyst Observation: Grey Floor Tile Client Description: Grey Floor Tile	Location: Room 40 Closet Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 20 Cellulose	<u>Percent Non-Fibrous Material:</u> 80
Lab No.: 6983481(L2) Client No.: CAC20034-67	Analyst Observation: Tan Mastic Client Description: Grey Floor Tile	Location: Room 40 Closet Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983482 Client No.: CAC20034-68	Analyst Observation: Tan Vinyl Sheet Flooring Client Description: Tan Vinyl Sheet Flooring	Location: Room 40 (Under Carpet) Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/11/2020
Signature: 
Analyst: Tiffany Lowe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601

Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

Client: CIR863

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983482(L2)
Client No.: CAC20034-68

Percent Asbestos:
None Detected

Analyst Observation: Tan Mastic
Client Description: Tan Vinyl Sheet Flooring

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 40 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983482(L3)
Client No.: CAC20034-68

Percent Asbestos:
None Detected

Analyst Observation: Yellow Mastic
Client Description: Tan Vinyl Sheet Flooring

Percent Non-Asbestos Fibrous Material:
Trace Synthetic

Location: Room 40 (Under Carpet)
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983483
Client No.: CAC20034-69

Percent Asbestos:
None Detected

Analyst Observation: Brown Floor Tile
Client Description: Brown Floor Tile

Percent Non-Asbestos Fibrous Material:
20 Cellulose

Location: Room 40 (Under Vinyl Sheet Floor)
Facility:

Percent Non-Fibrous Material:
80

Lab No.: 6983483(L2)
Client No.: CAC20034-69

Percent Asbestos:
None Detected

Analyst Observation: Tan Mastic
Client Description: Brown Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 40 (Under Vinyl Sheet Floor)
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 6983484
Client No.: CAC20034-70

Percent Asbestos:
PC 2.3 Chrysotile

Analyst Observation: Grey Floor Tile
Client Description: Grey Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 46 (Top Layer)
Facility:

Percent Non-Fibrous Material:
97.7

Lab No.: 6983484(L2)
Client No.: CAC20034-70

Percent Asbestos:
None Detected

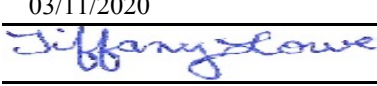
Analyst Observation: Black Mastic
Client Description: Grey Floor Tile


Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 46 (Top Layer)
Facility:

Percent Non-Fibrous Material:
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/11/2020
Signature: 
Analyst: Tiffany Lowe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601


Client: CIR863

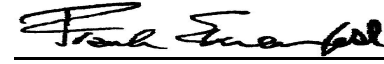
Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983485 Client No.: CAC20034-71 <u>Percent Asbestos:</u> PC 1.7 Chrysotile	Analyst Observation: Grey Floor Tile Client Description: Grey Floor Tile <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 46 (Top Layer) Facility: <u>Percent Non-Fibrous Material:</u> 98.3
Lab No.: 6983485(L2) Client No.: CAC20034-71 <u>Percent Asbestos:</u> None Detected	Analyst Observation: Black Mastic Client Description: Grey Floor Tile <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 46 (Top Layer) Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983486 Client No.: CAC20034-72 <u>Percent Asbestos:</u> None Detected	Analyst Observation: Black Floor Tile Client Description: Brown Floor Tile <u>Percent Non-Asbestos Fibrous Material:</u> 20 Cellulose	Location: Room 44 (2nd Layer) Facility: <u>Percent Non-Fibrous Material:</u> 80
Lab No.: 6983486(L2) Client No.: CAC20034-72 <u>Percent Asbestos:</u> None Detected	Analyst Observation: Brown Mastic Client Description: Brown Floor Tile <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 44 (2nd Layer) Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983487 Client No.: CAC20034-73 <u>Percent Asbestos:</u> None Detected	Analyst Observation: Black Floor Tile Client Description: Brown Floor Tile <u>Percent Non-Asbestos Fibrous Material:</u> 20 Cellulose	Location: Room 44 (2nd Layer) Facility: <u>Percent Non-Fibrous Material:</u> 80
Lab No.: 6983487(L2) Client No.: CAC20034-73 <u>Percent Asbestos:</u> None Detected	Analyst Observation: Brown Mastic Client Description: Brown Floor Tile <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 44 (2nd Layer) Facility: <u>Percent Non-Fibrous Material:</u> 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/11/2020
Signature: 
Analyst: Tiffany Lowe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601


Client: CIR863

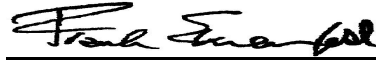
Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983488 Client No.: CAC20034-74 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White Texture Client Description: White Paint Texture <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 44 Ceiling Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983489 Client No.: CAC20034-75 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White Texture Client Description: White Paint Texture <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 45 Ceiling Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983490 Client No.: CAC20034-76 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Tan Vinyl Sheet Flooring Client Description: Tan Vinyl Sheet Flooring <u>Percent Non-Asbestos Fibrous Material:</u> 20 Cellulose 5 Fibrous Glass	Location: Room 24 Facility: <u>Percent Non-Fibrous Material:</u> 75
Lab No.: 6983490(L2) Client No.: CAC20034-76 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Yellow Mastic Client Description: Tan Vinyl Sheet Flooring <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 24 Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6983491 Client No.: CAC20034-77 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Tan Vinyl Sheet Flooring Client Description: Tan Vinyl Sheet Flooring <u>Percent Non-Asbestos Fibrous Material:</u> 20 Cellulose 5 Fibrous Glass	Location: Room 24 Facility: <u>Percent Non-Fibrous Material:</u> 75
Lab No.: 6983491(L2) Client No.: CAC20034-77 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Yellow Mastic Client Description: Tan Vinyl Sheet Flooring <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 24 Facility: <u>Percent Non-Fibrous Material:</u> 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/11/2020
Signature: 
Analyst: Tiffany Lowe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601

Client: CIR863

Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6983492	Analyst Observation: White Ceiling Tile	Location: Room 26 Ceiling
Client No.: CAC20034-78	Client Description: White Acoustical Ceiling Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	40 Cellulose 40 Fibrous Glass	20


Lab No.: 6983493	Analyst Observation: White Ceiling Tile	Location: Room 26 Ceiling
Client No.: CAC20034-79	Client Description: White Acoustical Ceiling Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	40 Cellulose 40 Fibrous Glass	20

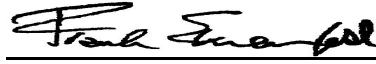
Lab No.: 6983494	Analyst Observation: Silver Paint	Location: Basement Wall
Client No.: CAC20034-80	Client Description: Silver Paint	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 6983494(L2)	Analyst Observation: White Plaster	Location: Basement Wall
Client No.: CAC20034-80	Client Description: Silver Paint	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 6983494(L3)	Analyst Observation: Tan Plaster	Location: Basement Wall
Client No.: CAC20034-80	Client Description: Silver Paint	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	Trace Hair	100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/4/2020
Date Analyzed: 03/11/2020
Signature: 
Analyst: Tiffany Lowe

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601

Client: CIR863

Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

Appendix to Analytical Report

Customer Contact: CJ Cira

Method: 40 CFR Appendix E to Subpart E of Part 763, interim method for the Determination of Asbestos in Bulk Insulation Samples, and USEPA 600, R93-116 as needed.

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com

iATL Office Manager: wchampion@iatl.com

iATL Account Representative: Shirley Clark

Sample Login Notes: See Batch Sheet Attached

Sample Matrix: Bulk Building Materials

Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and in our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by US EPA 600 93-116: Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).

Certifications:

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021
- AIHA-LAP, LLC No. 100188

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. PC Trace represents a <0.25% amount. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analytical Methodology Alternatives: Your initial request for analysis may not have accounted for recent advances in regulatory requirements or advances in technology that are routinely used in similar situations for other qualified projects. You may have the option to explore additional analysis for further information. Below are a few options, listed as the matrix followed by the appropriate methodology. Also included are links to more information on our website.

Bulk Building Materials that are Non-Friable Organically Bound (NOB) by Gravimetric Reduction techniques employing PLM and TEM: ELAP 198.6 (PLM-NOB), ELAP 198.4 (TEM-NOB)

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601

Client: CIR863

Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

Loose Fill Vermiculite Insulation, Attic Insulation, Zonolite (copyright), etc.: US EPA 600 R-4/004 (multi-tiered analytical process)
Sprayed On Insulation/Fireproofing with Vermiculite (SOF-V): ELAP 198.8 (PLM-SOF-V)

Soil, sludge, sediment, aggregate, and like materials analyzed for asbestos or other elongated mineral particles (ex. erionite, etc.): ASTM D7521, CARB 435, and other options available

Asbestos in Surface Dust according to one of ASTM's Methods (very dependent on sampling collection technique – by TEM): ASTM D 5755, D5756, or D6480

Various other asbestos matrices (air, water, etc.) and analytical methods are available.

Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a list with highlighted disclaimers that may be pertinent to this project. For a full explanation of these and other disclaimers, please inquire at customerservice@iatl.com.

- 1) Note: No mastic provided for analysis.
- 2) Note: Insufficient mastic provided for analysis.
- 3) Note: Insufficient material provided for analysis.
- 4) Note: Insufficient sample provided for QC reanalysis.
- 5) Note: Different material than indicated on Sample Log / Description.
- 6) Note: Sample not submitted.
- 7) Note: Attached to asbestos containing material.
- 8) Note: Received wet.
- 9) Note: Possible surface contamination.
- 10) Note: Not building material. 1% threshold may not apply.
- 11) Note: Recommend TEM-NOB analysis as per EPA recommendations.
- 12) Note: Asbestos detected but not quantifiable.
- 13) Note: Multiple identical samples submitted, only one analyzed.
- 14) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.080%.
- 15) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.125%.
- 16) Note: This sample contains >10% vermiculite mineral. See Appendix for Recommendations for Vermiculite Analysis.

Recommendations for Vermiculite Analysis:

Several analytical protocols exist for the analysis of asbestos in vermiculite. These analytical approaches vary depending upon the nature of the vermiculite mineral being tested (e.g. un-processed gänge, homogeneous exfoliated books of mica, or mixed mineral composites). Please contact your client representative for pricing and turnaround time options available.

iATL recommends initial testing using the EPA 600/R-93/116 method. This method is specifically designed for the analysis of asbestos in bulk building materials. It provides an acceptable starting point for primary screening of vermiculite for possible asbestos.

Results from this testing may be inconclusive. EPA suggests proceeding to a multi-tiered analysis involving wet separation techniques in conjunction with PLM and TEM gravimetric analysis (EPA 600/R-04/004).

For New York State customers, NYSDOH requires disclaimers and qualifiers for various vermiculite containing samples that direct analysis via ELAP198.6 and ELAP198.8 for samples that contain >10% vermiculite mineral where ELAP198.6 may be used to evaluate the asbestos content of the material. However, any test result using ELAP198.6 will be reported with the following disclaimer: "ELAP198.6 method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing >10% vermiculite."

Further information on this method and other vermiculite and asbestos issues can be found at the following: Agency for Toxic Substances and Disease Registry (ATSDR) www.atsdr.cdc.gov, United States Geological Survey (USGS) www.minerals.usgs.gov/minerals/, US EPA www.epa.gov/asbestos. The USEPA also has an informative brochure "Current Best Practices for Vermiculite Attic Insulation" EPA 747F03001 May 2003, that may assist the health and remediation professional.

The following is a summary of the analytical process outlines in the EPA 600/R-04/004 Method:

1) **Analytical Step/Method:** Initial Screening by PLM, EPA 600R-93/116
Requirements/Comments: Minimum of 0.1 g of sample. ~0.25% LOQ for most samples.

2) **Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Sinks" only.

CERTIFICATE OF ANALYSIS

Client: Cira And Associates Consulting
468 Williams Road
Morgantown WV 25601

Client: CIR863

Report Date: 3/11/2020
Report No.: 610974 - PLM
Project: Monroe St Fire Station
Project No.: CAC20034

3)**Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Floats" only.

4)**Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Sinks" only.

5)**Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Suspension" only.

LOQ, Limit of Quantitation estimates for mass and volume analyses.

*With advance notice and confirmation by the laboratory.

**Approximately 1 Liter of sample in double-bagged container (~9x6 inch bag of sample).



Chain of Custody

9000 Commerce Parkway
Suite B
Mt. Laurel, NJ 08054
Toll Free: 877 428-4285
info@iatl.com
www.iatl.com

Client: Cira and Associates Consulting LLC
468 Williams Road
Morgantown, WV 26501

Project Name: Monroe Street Fire Station
Project No.: CAC20034

Office Phone: (304) 983-2656
Cell Phone: (304) 692-2923
FAX / Email 1: cjc@ciraconsulting.com

Contact 1: C.J. Cira
Contact 2: Eric Bubb
FAX / Email 2: eric@ciraconsulting.com

Special Instructions: Please email results to both Contact 1 and Contact 2

Matrix:

☐ Air ☐ Soil ☒ Bulk ☐ Other
☐ Water ☐ Paint ☐ Surface Dust / Wipe

Analysis Method:

☐ PCM : NIOSH 7400
☐ PCM : OSHA
☐ PCM : TWA

☐ AAS : Lead in Air
☐ AAS : Lead in Water
☐ AAS : Lead in Paint
☐ AAS : Lead Dust/Wipe ¹
☐ AAS : Lead in Soil
☐ AAS : TCLP
☐ AAS : Metals (Cd, Zn, Cr)

See Page 2 for Bulk Asbestos Specific Log

☒ PLM : Bulk Asbestos EPA 600
☐ PLM : Point Counting 198.1
☐ PLM : NOB via 198.1 (PLM only)
☐ If <1% by PLM, to TEM via 198.4 ²
☐ PLM : See page 2 for instructions

See Page 4 for Mold Specific Log

☐ IAQ : I Bioaersol Fungal Spore Trap ³
☐ IAQ : II Bioaersol Fungal Spore Trap ⁴
☐ IAQ : Tape, Bulk, Misc. Qualitative ³
☐ IAQ : Tape, Bulk, Misc. Quantitative ³
☐ IAQ : Other Culturable ID ²

☐ TEM : AHERA
☐ TEM : NIOSH 7402
☐ TEM : Dust / Wipe
☐ TEM : Dust / Microvac
☐ TEM : NOB 198.4
☐ TEM : Bulk Analysis
☐ TEM : Potable Water
☐ TEM : Non-Potable Water
☐ TEM : Other
☐ Total Dust : NIOSH 0500
☐ Total Dust : NIOSH 0600

1- Requires ASTM acceptable material

2- Call to confirm TAT

3- Non-culturable

4- With Non-fungal Microscopic Exam

Turnaround Time:

Preliminary Results Requested By...

☐ Verbals

☐ FAX

☒ Email

date / time

☐ 10 Day ☒ 5 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day* ☐ 12 Hour** ☐ 6 Hour** ☐ RUSH**

* End of next business day unless otherwise specified.

** Matrix Dependent. Please notify the lab before shipping.

Sample Numbers:

Client #(s): CAC20034-01 - CAC20034-80
(start) (end)

IATL#(s): _____ - _____ Total: _____
(start) (end)

Please use your sample log to supply sampling information (ex. Volumes, areas, descriptions, locations, etc.) or download forms at iatl.com

Chain of Custody:

Relinquished (Name / Organization): [Signature]
Received (Name / IATL): [Signature]
Sample Login (Name / IATL): [Signature]
Sample Prep (Name / IATL): [Signature]
Analysis (Name(s) / IATL): [Signature]
QA/QC Review (Name / IATL): [Signature]
Archived / Released: [Signature]

QA/QC InterLAB Use:

Date: 3/2/2020 Time: 4:00pm
Date: _____ Time: _____
Date: _____ Time: _____
Date: 3/10/2020 Time: 1:00pm
Date: 3/11/20 Time: 1:00pm
Date: _____ Time: _____
Date: _____ Time: _____

Chain of Custody

- Bulk Asbestos Sample Log -

Client: Cira and Associates Consulting LLC

Project Name: Monroe Street Fire Station
Project No.: CAC20034

PLM Special Instructions:

- ☒ PLM : Bulk Asbestos Building Materials EPA 600 / R 93-116
- ☐ PLM : Point Counting
- ☐ PC : via ELAP 198.1
 - ☐ PC : 400 Points
 - ☐ PC : 800 Points *
 - ☐ PC : 1600 Points *
- ☐ PLM : Gravimetric Reduction
- ☐ PLM : NOB via 198.1
 - ☐ PLM : Friable via EPA 600 2.3
 - ☐ If <1% by PLM, to TEM via 198.4 *
 - ☐ If <1% by PLM, Hold for Instructions
- ☐ PLM : Analyze Until Positive (Positive Stop)
- ☐ AUP : by Homogenous Area as Noted
 - ☐ AUP : by Material Type as Noted
- ☐ PLM : Non-Building Material *, **(Dust, Wipe, Tape, Soil)
- ☐ Soil or Vermiculite Analysis *, **
- ☐ PLM: Instructions for Multi-Layered Samples
- ☐ Analyze and Report All Separable Layers per EPA 600
 - ☐ Report Composite for Drywall Systems per NESHAP
 - ☐ Report All Layers and Composite Where Applicable
 - ☐ Only Analyze and Report Specifically Noted Layer

* Additional charge and turnaround may be required. ** Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory.

Sampling Date: 2/26/20&2/7/20

Client Sample ID:	IATL Sample ID:	Sample Description / Location	Notes
CAC20034-01	6983415	Grey Plaster / Room 86 wall	
CAC20034-02	6983416	Grey Plaster / Room 80 ceiling	
CAC20034-03	6983417	Grey Plaster / Stairwell 5th-4th wall	
CAC20034-04	6983418	Grey Plaster / Room 62 ceiling	
CAC20034-05	6983419	Grey Plaster / Room 58 wall	
CAC20034-06	6983420	Grey Plaster / Room 36 wall	
CAC20034-07	6983421	Grey Plaster / Room 41 ceiling	
CAC20034-08	6983422	Grey Window Glazing / Room 86 window	
CAC20034-09	6983423	Grey Window Glazing / Room 74 window	
CAC20034-10	6983424	Brown Vinyl Sheet Flooring / Room 74 (under carpet)	
CAC20034-11	6983425	Brown Vinyl Sheet Flooring / Room 74 (under carpet)	
CAC20034-12	6983426	Faux wood vinyl floor tile / Room 75	
CAC20034-13	6983427	Faux wood vinyl floor tile / Room 75	
CAC20034-14	6983428	Red Floor Backing / Room 72 (top layer)	
CAC20034-15	6983429	Red Floor Backing / Room 72 (top layer)	

Chain of Custody

- Bulk Asbestos Sample Log -

Client: Cira and Associates Consulting LLC

Project Name: Monroe Street Fire Station
Project No.: CAC20034

Client Sample ID:	IATL Sample ID:	Sample Description / Location	Notes
CAC20034-16	6933430	Brown Vinyl Sheet Flooring / Room 72 (under floor backing)	
CAC20034-17	6933431	Brown Vinyl Sheet Flooring / Room 72 (under floor backing)	
CAC20034-18	6933432	White Pebble Pattern Vinyl Sheet Flooring / Room 73	
CAC20034-19	6933433	White Pebble Pattern Vinyl Sheet Flooring / Room 73	
CAC20034-20	6933434	White Pitted Vinyl Floor Tile / Room 78	
CAC20034-21	6933435	White Pitted Vinyl Floor Tile / Room 78	
CAC20034-22	6933436	Green Vinyl Floor Tile / Room 79 (top layer)	
CAC20034-23	6933437	Green Vinyl Floor Tile / Room 79 (top layer)	
CAC20034-24	6933438	Maroon Floor Tile / Room 79 (under carpet)	
CAC20034-25	6933439	Maroon Floor Tile / Room 79 (under carpet)	
CAC20034-26	6933440	Blue Floor Tile / Room 62 (under carpet)	
CAC20034-27	6933441	Blue Floor Tile / Room 62 (under carpet)	
CAC20034-28	6933442	Pebble Pattern Vinyl Sheet Floor / Room 63 (under carpet)	
CAC20034-29	6933443	Pebble Pattern Vinyl Sheet Floor / Room 63 (under carpet)	
CAC20034-30	6933444	Faux Wood Vinyl Floor Tile / Room 65	
CAC20034-30	6933445	Faux Wood Vinyl Floor Tile / Room 71	
CAC20034-32	6933446	Green Floor Tile / Room 59 (under carpet)	
CAC20034-33	6933447	Green Floor Tile / Room 59 (under carpet)	
CAC20034-34	6933448	Maroon Vinyl Sheet Flooring / Room 61 (under carpet)	
CAC20034-35	6933449	Maroon Vinyl Sheet Flooring / Room 59 (under carpet)	
CAC20034-36	6933450	Red Vinyl Sheet Flooring / Room 58 (under carpet)	
CAC20034-37	6933451	Red Vinyl Sheet Flooring / Room 58 (under carpet)	
CAC20034-38	6933452	Stone Pattern Vinyl Sheet Flooring / Room 58 (under carpet)	
CAC20034-39	6933453	Stone Pattern Vinyl Sheet Flooring / Room 58 (under carpet)	
CAC20034-40	6933454	Brown Floor Tile / Room 47 (bottom layer)	
CAC20034-41	6933455	Brown Floor Tile / Room 47 (bottom layer)	
CAC20034-42	6933456	Maroon Cove Base / Room 50 wall	
CAC20034-43	6933457	Maroon Cove Base / Room 53 (hall) wall	

Chain of Custody

- Bulk Asbestos Sample Log -

Client: Cira and Associates Consulting LLC

Project Name: Monroe Street Fire Station

Project No.: CAC20034

Chk 3/19/2020

Client Sample ID:	IATL Sample ID:	Sample Description / Location	Notes
CAC20034-44	6933458	Green-white Vinyl Sheet Flooring / Room 53	
CAC20034-45	6933458	Green-white Vinyl Sheet Flooring / Room 53	
CAC20034-46	6933460	Brown-white Vinyl Sheet Floor / Room 47 Hall Closet Floor	
CAC20034-47	6933462	Brown-white Vinyl Sheet Floor / Room 47 Hall Closet Floor	
CAC20034-48	6933462	Tan Floor Tile / Stairwell 4th -3rd Landing	
CAC20034-49	6933463	Tan Floor Tile / Stairwell 4th -3rd Landing	
CAC20034-50	6933464	Tan Floor Tile / Stairwell 4th -3rd Stair Tread	
CAC20034-51	6933465	Tan Floor Tile / Stairwell 4th -3rd Stair Tread	
CAC20034-52	6933466	Black Floor Tile / Room 30 (under carpet)	
CAC20034-53	6933467	Black Floor Tile / Room 30 (under carpet)	
CAC20034-54	6933468	Brick Pattern Vinyl Sheet Flooring / Room 30 (front of room)	
CAC20034-55	6933469	Brick Pattern Vinyl Sheet Flooring / Room 30 (front of room)	
CAC20034-56	6933470	Tan Floor Tile / Room 32 (under carpet)	
CAC20034-57	6933471	Tan Floor Tile / Room 32 (under carpet)	
CAC20034-58	6933472	Tan Vinyl Sheet Flooring / Room 34 (top layer)	
CAC20034-59	6933473	Tan Vinyl Sheet Flooring / Room 34 (top layer)	
CAC20034-60	6933474	Brown Floor Tile / Room 34 (2nd layer)	
CAC20034-61	6933475	Tan Floor Tile / Room 32 (under carpet)	
CAC20034-62	6933476	Tan Floor Tile / Room 32 (under carpet)	
CAC20034-63	6933477	Tan Floor Tile / Room 37 (under carpet)	
CAC20034-64	6933478	Maroon Floor Tile / Room 32 (under tan floor tile)	
CAC20034-65	6933479	Black Floor Tile / Room 37 (under tan floor tile)	
CAC20034-66	6933480	Grey Floor Tile / Room 40 Closet	
CAC20034-67	6933481	Grey Floor Tile / Room 40 Closet	
CAC20034-68	6933482	Tan Vinyl Sheet Flooring / Room 40 (under carpet)	
CAC20034-69	6933483	Brown Floor Tile / Room 40 (under vinyl sheet floor)	
CAC20034-70	6933484	Grey Floor Tile / Room 46 (top layer)	
CAC20034-71	6933485	Grey Floor Tile / Room 46 (top layer)	

START

APPENDIX 3

Photo Documentation



Photo of the ACM plaster located on the wall in Room 58.



Photo of the ACM white pebble pattern vinyl sheet flooring located in Room 73.



Photo of the ACM white pitted vinyl sheet flooring located in Room 78.



Photo of the ACM green vinyl sheet flooring (top layer) located in Room 79.



Photo of the ACM blue floor tile located under the carpet in Room 62.



Photo of the ACM pebble pattern vinyl sheet flooring located under the carpet in Room 63.



Photo of the ACM stone pattern vinyl sheet flooring in Room 47.



Photo of the ACM brown floor tile located under the ACM pebble pattern vinyl sheet flooring located in Room 47.



Photo of the ACM green/white vinyl sheet flooring located in Room 53.



Photo of the ACM tan floor tile located in Stairwell 4th-3rd Landing.



Photo of the ACM tan rubber floor tile located on the tread of Stairwell 4th-3rd.



Photo of the ACM black floor tile and mastic located under the carpet in Room 30.



Photo of the ACM brick pattern vinyl sheet flooring located in toward the front of Room 30.



Photo of the ACM tan floor tile located under the carpet in Room 32.



Photo of the ACM tan floor tile located under the carpet in the hallway of Room 32.



Photo of the ACM maroon floor tile and black floor tile located under the carpet and tan floor tile in Room 37.



Photo of the ACM grey floor tile (top layer) located in Room 46.



Cira and Associates Consulting LLC

468 Williams Road • Morgantown, WV 26501 • (304) 983-2656

Ciraconsulting.com

Limited Lead-Based Paint Inspection Report

**Former Fairmont Firehouse
211 Monroe Street
Fairmont, WV 26554**

Prepared For:

Ms. Patty Hickman
PO Box 810
Valley Forge, PA 19482

Prepared By:

Eric Bubb
Environmental Scientist
Cira and Associates Consulting LLC

Reviewed By:

C.J. Cira
General Manager
Cira and Associates Consulting LLC

C&A Project No. CAC20034

Date:

May 29, 2020

Eric Bubb
Environmental Scientist
WV Licensed Lead Inspector No. PI000685

C.J. Cira
General Manager
EPA Lead RRP NAT-50224-1



TABLE OF CONTENTS

	<u>Page</u>
I. Introduction.....	1
II. Executive Summary.....	1
III. Purpose and Scope.....	1
IV. Methodology.....	1
V. Sampling Results.....	2
VI. General Information.....	3
VII. Conclusions.....	4
VIII. Limitations.....	4

LIST OF APPENDICES

<u>Appendix Number</u>	<u>Title</u>
1	LBP Survey Field Sheets / Data Tables
2	Figures
3	License and Certificates



I. Introduction

On Wednesday, February 19, 2020 and Thursday, February 20, 2020, C&A personnel, Mr. Eric Bubb (WV Licensed Lead Inspector No. PI000685) performed a lead-based paint (LBP) inspection at the former Fairmont Firehouse located at 211 Monroe Street in Fairmont, WV (referred to hereunder as the Subject Property). If paint contains lead equal to or greater than 1.0 milligram per square centimeter (mg/cm^2), as defined by the United States Environmental Protection Agency (EPA)/ Housing and Urban Development (HUD), it is considered to be LBP. This LBP inspection was completed in accordance with HUD *Guidelines for Evaluation and Control of Lead-Based Paint Hazards in Housing* (Second Edition, July 2012) (HUD Guidelines).

II. Executive Summary

The Subject Property was inspected using an Olympus - Delta Professional Alloy Plus X-Ray Fluorescence (XRF) Analyzer. A total of 441 readings were taken including 3 for calibration purposes. A total of fifty-six (56) XRF analyzer samples were positive for LBP.

III. Purpose and Scope

The purpose of the LBP survey was to determine the presence or absence of LBP on suspect surfaces of accessible building materials at the Subject Property. The scope of the LBP testing was delimited by the methodologies of the HUD Guidelines and conditions of the structure.

IV. Methodology

Selected sites in each room, including all walls and nominally one site for each type of component tested, as well as the exterior were surveyed for the presence of LBP using a handheld spectrum analyzer XRF instrument, Olympus - Delta Professional Alloy Plus XRF Analyzer in accordance with the manufacturer's instruction manual. The instrument was standardized each day prior to use at the Subject Property. Standardization must be done any time the analyzer hardware is initiated or restarted.

V. Sampling Results

A total of 441 readings were taken including 3 for calibration purposes. All painted surfaces were found to be in fair to poor condition at the time of the inspection with the majority being in poor condition. A total of fifty-six (56) components tested were found to be positive for LBP. The XRF lead-based paint results are included in Appendix 1 as Table 1. A summary of positive XRF lead-based paint results is included in Appendix 1 as Table 2. The room locations where the positive results were identified are included in Figures 1-4 in Appendix 2. Below is a general summary list of the components and room locations where positive LBP results were identified:

- Garage Doors and Walls in Room 23
- Walls in Room 42
- Wall in Room 43
- Door in Room 28
- Wall in Room 38A
- Walls in Room 32
- Walls in Room 34A
- Walls in Room 34
- Walls in Room 33
- Walls Room 30
- Walls in Room 71B
- Wall in Room 62
- Walls in Room 65
- Walls in Room 60
- Door in Room 59
- Wall in Room 58
- Wall in Room 60B
- Door in Room 57
- Wall in Room 56
- Wall in Room 60A
- Wall in Room 51
- Walls in Room 53
- Wall in 54A
- Wall in Room 52
- Door in Room 48
- Door in Room 47

- Wall in Room 50
- Walls and Door in Room 49
- Pipe, Support Beam, and Door in Room 77
- Door in Room 78
- Wall in Room 72
- Window Frame and Support Beam in Room 74
- Wall in Room 87
- Wall in Room 102
- Pipe in Room 102 Mezzanine

Please refer to Table 1 for exact locations of the LBP. Please note that XRF sample results from the same paint color on the same components (i.e., walls) in the same room were typically not consistent. These irregularities indicate that the LBP detected in the samples is not always the current surface layer and is likely to be an older paint layer of unknown color that has been painted over. Therefore, the current paint colors alone should not be used as a road map as to the locations of LBP in the Subject Property.

VI. General Information

Lead is a highly toxic metal that was used for many years in products, such as LBP, found in and around homes and commercial buildings. LBP use was banned in 1978 and is regulated by the EPA and HUD in the Residential Lead-Based Paint Disclosure Program Section 1018 as well as the Residential Lead Hazard Standards in Toxic Substances Control Act Section 403. In addition, the Occupational Safety and Health Administration regulates worker protection during renovation and/or demolition of structures with LBP.

The lead in dust and paint chips is toxic if ingested or inhaled. The smallest lead dust particles cannot be seen but if they get into the body, the lead can cause numerous health problems. Children and pregnant women are particularly susceptible to lead poisoning which can cause reduced IQ and learning disabilities by affecting developing nervous systems as well as causing slowed growth, hearing problems, and behavior problems. Adults are also susceptible to lead which can result in high blood pressure, headaches, digestive problems, memory and concentration problems, kidney damage, mood changes, nerve disorders, sleep disturbances, and muscle or joint pain.

A single, very high exposure to lead can cause lead poisoning. LBP that is in poor condition or LBP that will be disturbed during renovation and remodeling projects (demolition, dry-sanding, scraping, brushing, or burning surfaces with a layer of LBP) can produce dust with lead which can then be inhaled or enter the body from hand-to-mouth contact. If renovation work is not conducted properly, lead dust can remain in a home or building long after the work is done. Some painted surfaces may obtain levels of lead below 1.0 mg/cm^2 which could create lead dust or lead-contaminated soil hazards if the paint is turned into dust by abrasion, scraping, or sanding. Typically, a risk assessment is performed to help determine additional hazards associated with potential lead dust.

VII. Conclusions

A total of fifty-six (56) components were found to be positive for LBP (at or above the HUD guideline of 1.0 mg/cm^2). All painted surfaces were found to be in fair to poor condition at the time of the inspection with the majority being in poor condition.

As mentioned previously, please note that XRF sample results from the same paint color on the same components (i.e., walls) in the same room were typically not consistent. These irregularities indicate that the LBP detected in the samples is not always the current surface layer and is likely to be an older paint layer of unknown color that has been painted over. Therefore, the current paint colors alone should not be used as a road map as to the locations of LBP in the Subject Property.

In addition, C&A also completed an asbestos survey in conjunction with this limited LBP inspection. Please consult C&A's *Suspect Asbestos Containing Building Materials Survey* dated April 20, 2020 as some of the components/substrates where LBP was identified may also be an asbestos containing material.

VIII. Limitations

This lead-based paint inspection was performed under contract with Ms. Patty Hickman at Environmental Standards, Inc. No warranties, expressed or implied, are made by C&A or its employees as to the use of any information, apparatus, product, or process disclosed in this report. C&A or those representing C&A bear no responsibility for the actual condition of the structure or safety of a site pertaining to lead-based paint regardless of the actions taken by the client.

The field observations, measurements, and research reported herein are considered sufficient in detail and scope for a limited lead-based paint inspection at the Subject Property. The assessment and conclusions presented herein are based upon specifically limited data. They do not represent all conditions at the Subject Property as they reflect the information gathered for specific building systems. C&A warrants the findings and conclusions contained herein that have been developed in accordance with generally accepted industrial hygiene methodology and only for the site described in this report.

This lead-based paint related environmental consulting report has been developed to provide the client with information regarding apparent conditions related to limited accessible building materials in the Subject Property. Although C&A believes that the findings and conclusions provided in this report are reasonable, the assessment is necessarily limited to the conditions observed and to the information available at the time of the work. Due to the nature of the work, there is a possibility that conditions exist that could not be identified within the scope of the assessment or which were not apparent at the time of our site work. The assessment is also limited to information available from the client at the time it was conducted. It is also possible that the testing methods employed at the time of the report may later be superseded by other methods. C&A does not accept responsibility for changes in the state-of-the-art.

C&A does not guarantee that all contaminated areas in the Subject Property were recognized during our evaluation. This report is limited only to the samples taken and locations sampled. Additional sampling may be needed for further delineation or to further identify other pollutants or other affected areas inside the property.

We have employed state-of-the-art practices to perform this lead-based paint inspection but this evaluation is limited in scope to the areas listed above. Our services consist of professional opinions and recommendations made in accordance with generally accepted engineering principles and practices and are designed to provide an analytical tool to assist the client.

Appendix 1

LBP Survey Field Sheets / Data Tables

TABLE 1: XRF Leab-Based Paint Sample Results

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm ²	+/-	Notes/Comments
01	STANDARDIZATION / CALIBRATION CHECK					PASS		Day 1: February 19, 2020
02	23	Wall	E	Plaster	Tan	0.70	0.05	
03	23	Wall	E	Wood Chair Rail	White	0.00	0.00	
04	23	Garage Door	E	Wood	White	1.30	0.07	
05	23	Wall	S	Plaster	Tan	0.00	0.00	
06	23	Wall	W	Steel Beam	White	0.66	0.05	
07	23	Wall	N	Plaster	Tan	1.11	0.07	Under Steps
08	23	Door Trim	N	Wood	White	0.13	0.01	
09	23	Wall	N	Plaster	Tan	1.68	0.17	Near Steps
10	23	Wall	N	Wood Chair Rail	White	0.00	0.00	
11	23	Wall	N	Plaster	Tan	0.70	0.04	Exterior of 42
12	42	Door Trim	S	Wood Column	White	0.19	0.01	
13	42	Wall	E	Brick	White	0.01	0.00	
14	42	Wall	N	Brick	White	1.86	0.22	
15	42	Wall	W	Brick	White	1.44	0.12	
16	42	Wall	E	Brick	White	2.64	0.34	
17	43	Door Frame	E	Wood	White	0.00	0.00	

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm²	+/-	Notes/Comments
18	43	Door	E	Wood	White	0.00	0.00	
19	43	Wall	N	Plaster	White	1.55	0.14	
20	43	Ceiling	-	Plaster	White	0.54	0.04	
21	43	Wall	S	Plaster	White	0.01	0.00	
22	43	Wall	E	Plaster	White	0.66	0.05	
23	43	Wall	W	Plaster	White	0.47	0.04	
24	43	Baseboard	S	Concrete	Green	0.29	0.02	
25	43	Baseboard	N	Concrete	Green	0.45	0.03	
26	29	Wall	N	Speed Block	White	0.00	0.00	Top Half
27	29	Wall	S	Plaster	White	0.00	0.00	Bottom Half
28	29	Wall	S	Plaster	Brown	0.35	0.01	
29	28	Door	-	Wood	Tan	4.18	0.66	
30	28	Door Trim	-	Wood	Tan	0.12	0.01	
31	23	Wall	S	Plaster	Tan	1.40	0.16	
32	41/32	Door Frame	-	Wood	Green	0.10	0.01	
33	41	Wall	S	Plaster	Green	0.20	0.02	
34	41	Ceiling	-	Plaster	Green	0.10	0.01	
35	41	Wall	W	Plaster	Green	0.10	0.01	

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm²	+/-	Notes/Comments
36	41	Ceiling	-	Plaster	White	0.09	0.01	
37	25	Wall	E	Plaster	White	0.13	0.02	
38	25	Wall	S	Drywall	White	0.18	0.01	
39	25	Wall	N	Plaster	White	0.64	0.05	
40	25	Ceiling	-	Plaster	Green	0.06	0.01	
41	25	Window Frame	W	Plaster	Tan	0.00	0.00	
42	25	Window Frame	W	Metal	Brown	0.00	0.00	
43	24	Ceiling	-	Plaster	White	0.01	0.00	
44	24	Wall	E	Plaster	Green	0.30	0.03	
45	26	Wall	E	Drywall	Green	0.00	0.00	
46	26	Ceiling	-	Plaster	White	0.02	0.01	
47	26	Wall	S	Plaster	Green	0.01	0.00	Behind Wood Panel
48	27	Door	-	Wood	Green	0.00	0.00	
49	27	Door Frame	-	Wood	Green	0.00	0.00	
50	27	Wall	W	Concrete	Green	0.02	0.01	
51	27	Wall	S	Plaster	Green	0.03	0.01	
52	27	Ceiling	E	Plaster	Green	0.01	0.00	
53	27	Wall	N	Plaster	Green	0.01	0.00	

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm ²	+/-	Notes/Comments
54	46	Wall	N	Plaster	Green	0.08	0.01	Stairwell
55	46	Rail	-	Wood	Green	0.25	0.02	Stairwell
56	46	Stair Trim	N	Wood	White	0.22	0.01	Stairwell
57	46	Wall	S	Plaster	White	0.06	0.01	Stairwell
58	46	Wall	E	Plaster	White	0.07	0.01	Stairwell
59	46	Cabinets	N	Wood	White	0.06	0.01	Stairwell
60	46	Wall	W	Concrete	White	0.09	0.01	Stairwell
61	46	Window Frame	W	Metal	Brown	0.00	0.00	Stairwell
62	46	Ceiling	-	Plaster	White	0.00	0.00	
63	46	Wall	N	Plaster	White	0.00	0.00	
64	46	Wall	S	Plaster	White	0.00	0.00	
65	46	Steal Beam	E	Steel	Grey	0.60	0.03	
66	46	Door	-	Wood	White	0.06	0.01	
67	45	Ceiling	-	Plaster	White	0.04	0.01	Textured
68	45	Window Frame	E	Metal	Green	0.07	0.01	
69	45A	Ceiling	-	Plaster	White	0.00	0.00	
70	45A	Wall	N	Plaster	Tan	0.00	0.00	
71	45A	Wall	W	Plaster	Tan	0.00	0.00	

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm ²	+/-	Notes/Comments
72	45A	Steal Beam	E	Steel	Tan	0.50	0.03	
73	45	Door Frame	-	Wood	White	0.05	0.01	
74	45	Wall	W	Plaster	Green	0.08	0.01	
75	44	Ceiling	-	Plaster	White	0.00	0.00	
76	44	Window Frame	E	Metal	White	0.08	0.01	
77	46	Ceiling	-	Plaster	White	0.10	0.01	Stairwell
78	41/32	Door	-	Wood	Green	0.22	0.01	
79	40	Wall	S	Plaster	White	0.24	0.07	
80	40	Wall	N	Plaster	White	0.00	0.00	
81	40A	Wall	N	Plaster	Green	0.51	0.02	
82	39	Wall	N	Plaster	Grey	0.48	0.05	
83	39	Window Frame	N	Metal	White	0.02	0.00	
84	39	Wall	S	Plaster	Grey	0.46	0.04	
85	39	Door	S	Wood	Brown	0.04	0.01	
86	39	Window	E	Glass	White	0.00	0.00	
87	39	Window Trim	E	Wood	White	0.01	0.00	
88	36A/40	Door	-	Wood	Brown	0.10	0.00	
89	36A/40	Door	-	Glass	Brown	0.00	0.00	

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm ²	+/-	Notes/Comments
90	36A	Wall	N	Plaster	Yellow	0.14	0.02	
91	36A	Wall	N	Wood Panel	White	0.00	0.00	
92	36A	Wall	S	Wood Panel	White	0.00	0.00	
93	36	Wall	W	Wood Panel	Beige	0.00	0.00	
94	36	Wall	E	Wood Panel	Beige	0.00	0.00	
95	38A	Wall	W	Plaster	Grey	0.00	0.00	
96	38A	Wall	S	Plaster	Grey	0.62	0.04	
97	38A	Window Frame	W	Metal	Brown	0.03	0.01	
98	38A	Window Sill	W	Metal	Brown	0.21	0.01	
99	38	Wall	N	Plaster	Grey	0.18	0.01	
100	38A	Wall	S	Plaster	Grey	1.07	0.05	
101	38	Wall	S	Plaster	Grey	0.42	0.02	
102	37	Window Sill	W	Wood	White	0.00	0.00	
103	37	Wall	N	Plaster	White	0.00	0.00	
104	37	Wall	W	Concrete	White	0.00	0.00	
105	37	Wall	E	Plaster	White	0.69	0.08	
106	37	Door Frame	N	Wood	White	0.00	0.00	
107	37	Door Frame	E	Wood	White	0.00	0.00	

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm ²	+/-	Notes/Comments
108	32A	Wall	N	Plaster	Grey	0.82	0.03	
109	35	Wall	S	Plaster	Brown	0.77	0.04	
110	35	Wall	W	Plaster	Grey	0.66	0.04	
111	35	Door	-	Wood	Beige	0.00	0.00	
112	35	Door Trim	-	Wood	Beige	0.00	0.00	
113	32	Wall	W	Plaster	Tan	5.00	1.75	
114	32	Wall	N	Plaster	Tan	1.13	0.07	
115	32	Wall	NE	Plaster	Tan	0.92	0.03	
116	32	Wall	SW	Plaster	Tan	0.75	0.06	Exterior Wall
117	32	Door	-	Wood	Tan	0.06	0.01	Women's Bathroom Door
118	32	Door Trim	-	Wood	Tan	0.11	0.01	Women's Bathroom Door
119	32	Hand Rail	-	Wood	Tan	0.15	0.01	
120	34A	Wall	SW	Plaster	White	1.48	0.14	
121	34A	Wall	S	Plaster	White	1.57	0.14	
122	34A	Baseboard	S	Wood	White	0.09	0.01	
123	32/34A	Door	-	Wood	Tan	0.12	0.01	
124	32/34A	Door Trim	-	Wood	Tan	0.13	0.01	
125	34	Wall	E	Plaster	Beige	2.62	0.22	

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm ²	+/-	Notes/Comments
126	34	Wall	S	Plaster	Beige	1.07	0.04	
127	34	Wall	W	Plaster	Beige	0.75	0.02	
128	33	Wall	N	Plaster	White	0.14	0.02	
129	33	Wall	E	Plaster	White	0.17	0.03	
130	33	Wall	W	Wall	White	1.41	0.11	
131	33	Wall	S	Plaster	White	2.76	0.39	
132	30	Wall	S	Plaster	Beige	0.63	0.04	
133	30	Wall	N	Plaster	Beige	1.53	0.27	
134	30	Wall	E	Plaster	Beige	0.69	0.04	
135	30	Wall	W	Plaster	Grey	1.50	0.26	
136	30	Door Frame	W	Wood	Green	0.08	0.01	
137	31	Wall	N	Plaster	Tan	0.02	0.00	
138	31	Wall	E	Plaster	Tan	0.04	0.01	
139	31	Wall	S	Plaster	Tan	0.03	0.00	
140	31	Wall	W	Plaster	Tan	0.04	0.01	
141	71A	Wall	S	Plaster	Tan	0.65	0.05	Stairwell
142	71A	Wall	N	Plaster	Tan	0.66	0.04	Stairwell
143	71A	Wall	E	Plaster	Tan	0.75	0.05	Stairwell

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm²	+/-	Notes/Comments
144	71A	Wall	W	Plaster	Tan	0.75	0.06	Stairwell
145	71B	Wall	S	Plaster	Tan	4.18	1.13	
146	71B	Wall	N	Plaster	Tan	1.30	0.10	
147	71B	Wall	W	Plaster	Tan	0.74	0.05	
148	71B	Wall	W	Plaster	Tan	0.77	0.05	
149	71B	Ceiling	-	Plaster	Tan	0.39	0.05	
150	71	Wall	N	Plaster	White	0.23	0.02	
151	63	Wall	N	Plaster	Beige	0.73	0.12	
152	63	Wall	E	Wood Panel	Beige	0.01	0.00	
153	63	Wall	W	Plaster	Beige	0.42	0.03	
154	63	Wall	S	Plaster	Beige	0.78	0.11	
155	63	Window Sill	S	Wood	Beige	0.22	0.02	
156	63	Door Frame	W	Wood	Beige	0.10	0.01	
157	64	Wall	E	Plaster	Beige	0.01	0.00	
158	64	Wall	W	Plaster	Beige	0.01	0.00	
159	64	Wall	W	Plaster	Beige	0.01	0.00	
160	64	Ceiling	-	Plaster	Beige	0.05	0.01	
161	64	Wall	S	Plaster	Beige	0.02	0.00	

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm ²	+/-	Notes/Comments
162	62	Wall	N	Plaster	Lt. Blue	1.92	0.46	Took sample next to Test #193
163	62	Wall	W	Wood Panel	Lt. Blue	0.04	0.01	
164	62	Wall	E	Plaster	Lt. Blue	0.34	0.05	
165	62	Wall	S	Plaster	Lt. Blue	0.71	0.14	
166	62	Window Sill	E	Wood	Lt. Blue	0.15	0.01	
167	62	Wall	N	Plaster	Lt. Blue	0.29	0.03	
168	62	Wall	N	Plaster	Lt. Blue	0.33	0.04	Took sample next to Test #187
169	62	Baseboard	N	Wood	Lt. Blue	0.05	0.01	
170	62	Ceiling	-	Plaster	Lt. Blue	0.67	0.15	
171	62	Door Trim	W	Wood	Lt. Blue	0.04	0.00	
172	62	Door	W	Wood	Lt. Blue	0.03	0.01	
173	65	Door	-	Wood	Beige	0.07	0.01	
174	65	Wall	NW	Plaster	Beige	1.40	0.11	
175	65	Wall	SW	Plaster	Beige	1.62	0.16	
176	65	Wall	SE	Plaster	Beige	0.46	0.05	
177	65	Wall	NE	Plaster	Beige	0.02	0.00	
178	65	Door Frame	-	Plaster	Beige	0.07	0.01	
179	66	Wall	NW	Plaster	White	0.59	0.03	

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm ²	+/-	Notes/Comments
180	66	Wall	NE	Plaster	White	0.15	0.03	
181	66	Wall	SW	Plaster	White	0.68	0.05	
182	66	Wall	SE	Wood	Green	0.00	0.00	
183	67	Door	-	Wood	White	0.03	0.00	
184	66A	Wall	NE	Plaster	White	0.00	0.00	Closet
185	66	Window Sill	SW	Wood	White	0.04	0.01	
186	67	Baseboard	NW	Wood	Brown	0.40	0.00	
187	67	Wall	SE	Plaster	Green	0.51	0.04	
188	67	Wall	NW	Plaster	Green	0.47	0.03	
189	67	Wall	SW	Plaster	Green	0.45	0.03	
190	STANDARDIZATION / CALIBRATION CHECK					PASS		Day 2: February 20, 2020
191	68	Wall	S	Plaster	Grey	0.57	0.03	
192	68	Wall	W	Plaster	Grey	0.59	0.03	
193	68	Wall	N	Plaster	Grey	0.68	0.04	
194	70	Wall	W	Plaster	Grey	0.00	0.00	
195	70	Wall	E	Plaster	Grey	0.64	0.04	
196	70	Wall	NW	Plaster	Grey	0.58	0.05	
197	69	Wall	S	Plaster	Grey	0.53	0.03	

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm ²	+/-	Notes/Comments
198	69	Wall	W	Plaster	Grey	0.69	0.06	
199	69	Wall	N	Plaster	Grey	0.63	0.06	
200	69	Wall	E	Glass	Grey	0.00	0.00	
201	69	Ceiling	-	Plaster	Grey	0.04	0.00	
202	69	Baseboard	E	Wood	Brown	0.00	0.00	
203	70	Ceiling	-	Plaster	Grey	0.53	0.03	
204	70	Wall	E	Plaster	White	0.00	0.00	
205	60	Wall	N	Plaster	White	0.00	0.00	
206	60	Wall	N	Plaster	White	0.75	0.11	
207	60	Wall	S	Plaster	White	1.99	0.34	
208	60	Door Frame	S	Wood	White	0.14	0.01	
209	60	Wall	N	Wood	White	3.33	0.44	
210	60	Door Frame	N	Wood	White	0.27	0.02	
211	61	Wall	W	Plaster	Green	0.53	0.03	
212	61	Wall	N	Plaster	White	0.73	0.13	
213	61	Wall	S	Plaster	White	0.28	0.05	
214	61	Ceiling	-	Plaster	White	0.00	0.00	
215	61	Window Frame	W	Wood	White	0.19	0.02	

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm ²	+/-	Notes/Comments
216	60	Ceiling	-	Plaster	White	0.24	0.03	
217	59	Wall	S	Plaster	White	0.41	0.03	
218	59	Wall	W	Plaster	Green	0.72	0.12	
219	59	Wall	N	Plaster	White	0.52	0.04	
220	59	Wall	E	Plaster	White	0.39	0.04	
221	59	Door	S	Wood	White	2.36	0.27	
222	59	Door Frame	S	Wood	White	0.16	0.01	
223	59	Door Frame	E	Wood	White	0.18	0.02	
224	59	Wall	S	Plaster	White	0.64	0.05	
225	58	Wall	W	Plaster	Grey	0.51	0.03	
226	58	Wall	N	Plaster	White	1.15	0.08	
227	58	Wall	E	Plaster	White	0.27	0.07	
228	58	Ceiling	-	Plaster	White	0.16	0.02	
229	58	Window	W	Wood	White	0.17	0.01	
230	58	Window	W	Wood	White	0.18	0.01	
231	60A	Wall	W	Plaster	Tan	0.07	0.01	
232	60A	Wall	E	Plaster	Tan	0.24	0.02	
233	60A	Wall	S	Plaster	Tan	0.45	0.05	

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm²	+/-	Notes/Comments
234	60A	Wall	N	Plaster	Tan	0.00	0.00	
235	60A	Ceiling	-	Plaster	Tan	0.66	0.10	
236	60A	Baseboard	W	Wood	Tan	0.09	0.01	
237	60A	Door	N	Metal	Tan	0.00	0.00	
238	55	Wall	E	Plaster	White	0.77	0.06	
239	55	Wall	N	Wood	Tan	0.33	0.08	
240	55	Wall	W	Plaster	White	0.67	0.06	
241	55	Ceiling	-	Plaster	White	0.13	0.02	
242	55	Door Frame	-	Wood	White	0.09	0.01	
243	60B	Wall	W	Plaster	Tan/White	0.39	0.05	
244	60B	Rail	-	Wood	Tan	0.16	0.01	
245	60B	Stairs	-	Wood	Green	0.10	0.01	
246	60B	Wall	E	Plaster	Tan	1.19	0.09	
247	60B	Wall	S	Plaster	Tan	0.00	0.00	
248	60B	Door Frame	-	Wood	Tan	0.05	0.01	Door into Room 59
249	57	Door	N	Wood	Tan	5.00	0.77	
250	57	Wall	N	Plaster	Green	0.51	0.03	
251	57	Wall	W	Plaster	Green	0.23	0.02	

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm²	+/-	Notes/Comments
252	57	Wall	E	Plaster	Green	0.49	0.04	
253	57	Wall	S	Plaster	Green	0.53	0.04	
254	57	Door Frame	-	Wood	Green	0.09	0.01	
255	56	Closet	-	Wood	White	0.00	0.00	Wood Cabinet 0.00
256	56	Wall	E	Plaster	Grey	1.15	0.07	
257	56	Wall	W	Plaster	Grey	0.01	0.00	
258	56	Wall	S	Plaster	White	0.69	0.03	
259	60A	Window Frame	S	Wood	Tan	0.07	0.01	
260	60A	Wall	S	Plaster	Tan	1.21	0.12	Outside of Room 56
261	60A	Wall	N	Plaster	Tan	0.00	0.00	
262	60A	Staircase Wall	S	Plaster	Tan	0.58	0.03	
263	51	Wall	S	Plaster	White	0.86	0.07	
264	51	Wall	E	Plaster	White	1.15	0.09	
265	51	Wall	N	Plaster	White	0.76	0.04	
266	51	Wall	W	Plaster	White	0.52	0.03	
267	51	Door	N	Plaster	White	0.13	0.01	
268	54	Wall	N	Plaster	Grey	0.02	0.00	Under Steps
269	54	Wall	W	Plaster	Grey	0.02	0.00	

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm²	+/-	Notes/Comments
270	54	Wall	E	Plaster	Blue	0.02	0	
271	54	Wall	W	Plaster	Grey	0.58	0.02	
272	54	Wall	E	Plaster	Grey	0.66	0.02	
273	53	Wall	E	Plaster	Lt. Green	0.60	0.03	
274	53	Wall	N	Plaster	Lt. Green	1.92	0.23	
275	53	Wall	S	Plaster	Lt. Green	0.99	0.03	
276	53	Wall	E	Plaster	Lt. Brown	0.66	0.03	
277	54A	Wall	E	Plaster	White	1.39	0.10	
278	54A	Wall	W	Plaster	White	0.65	0.04	
279	52	Wall	E	Plaster	Lt. Green	5.00	0.86	
280	54A	Wall	E	Plaster	White	0.56	0.03	Outside Room 47
281	47	Wall	E	Drywall	White	0.00	0.00	
282	47	Wall	W	Plaster	Tan	0.82	0.06	
283	48	Ceiling	-	Plaster	Grey	0.06	0.01	
284	48	Wall	N	Plaster	Green	0.12	0.01	
285	48	Wall	W	Plaster	White	0.00	0.00	
286	48	Wall	S	Plaster	Green	0.15	0.01	
287	48	Door	-	Wood	Green	1.26	0.11	

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm ²	+/-	Notes/Comments
288	47	Door	-	Wood	Tan	5.0	0.88	
289	50	Wall	S	Plaster	White	1.71	0.24	
290	50	Wall	E	Plaster	White	0.83	0.04	
291	50	Wall	W	Plaster	White	0.00	0.00	
292	50	Wall	N	Plaster	Green	0.58	0.03	
293	50	Ceiling	-	Plaster	Green	0.57	0.03	
294	49	Wall	S	Plaster	White	1.49	0.12	
295	49	Wall	E	Plaster	White	1.05	0.04	
296	49	Wall	N	Plaster	White	0.00	0.00	
297	49	Wall	W	Plaster	White	2.54	0.36	
298	49	Door/Wall	W	Wood	Green	5.00	0.94	
299	49	Ceiling	-	Plaster	Green	0.01	0.00	
300	77A	Staircase Wall	N	Plaster	White	0.42	0.04	Staircase
301	77A	Staircase	S	Plaster	Green	0.37	0.03	Staircase
302	77A	Wall	S	Wood	Tan	0.01	0.00	Staircase
303	77A	Wall	W	Plaster	Tan	0.42	0.03	Staircase
304	77A	Rail	-	Wood	Tan	0.03	0.00	
305	STANDARDIZATION / CALIBRATION CHECK					PASS		

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm ²	+/-	Notes/Comments
306	77	Wall	W	Plaster	Tan	0.08	0.01	
307	77	Pipe	-	Metal	White	0.06	0.01	
308	77	Wall	E	Wood	Tan	0.19	0.01	
309	77	Pipe	-	Metal	White	5.00	1.30	
310	77	Wall	E	Particle Board	Tan	0.18	0.01	
311	77	Wall	S	Particle Board	Tan	0.20	0.01	
312	77	Door Frame	S	Wood	White	0.12	0.01	
313	77	Rail	W	Wood	Tan	0.03	0.00	
314	77	Support Beam	W	Metal	White	5.00	0.82	Center of Room
315	77	Door Frame	W	Wood	White	0.30	0.02	
316	77	Door	N	Wood	Tan	5.00	0.68	To Bathroom
317	77	Door Frame	N	Wood	Tan	0.02	0.00	To Bathroom
318	77	Ceiling	-	Plaster	Tan	0.25	0.02	
319	78	Wall	W	Plaster	White	0.76	0.04	Little Hallway
320	78	Wall	E	Plaster	White	0.47	0.03	
321	78A	Door Frame	N	Wood	White	0.06	0.01	
322	78A	Ceiling	-	Plaster	White	0.44	0.02	
323	78A	Baseboard	W	Wood	White	0.03	0.00	

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm ²	+/-	Notes/Comments
324	78	Wall	E	Plaster	White	0.50	0.03	
325	78	Ceiling	-	Plaster	White	0.49	0.03	
326	78	Wall	N	Plaster	White	0.43	0.02	
327	78	Wall	S	Plaster	White	0.16	0.01	
328	78	Door Frame	S	Wood	White	0.05	0.01	
329	78	Door	W	Wood	White	5.00	1.07	
330	78	Door Frame	W	Wood	White	0.06	0.01	Inside Door Frame
331	79	Ceiling	-	Plaster	Tan	0.11	0.01	
332	79	Wall	N	Plaster	Green	0.39	0.02	
333	79	Wall	W	Plaster	Green	0.45	0.02	
334	79	Wall	S	Plaster	Green	0.36	0.02	
335	79	Wall	E	Wood	Brown	0.08	0.01	
336	79	Wall	E	Plaster	Green	0.52	0.02	
337	80	Ceiling	-	Plaster	White	0.00	0.00	
338	80	Wall	E	Particle Board	Green	0.51	0.02	
339	80	Wall	S	Particle Board	Green	0.41	0.02	
340	80	Wall	W	Plaster	Green	0.36	0.02	
341	80	Wall	N	Plaster	Green	0.46	0.02	

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm ²	+/-	Notes/Comments
342	80	Wall	W	Wood	Green	0.40	0.02	
343	81	Wall	N	Wood	White	0.37	0.02	
344	81	Wall	W	Wood	White	0.39	0.02	
345	81	Window Sill	W	Wood	White	0.21	0.01	
346	81	Baseboard	W	Wood	White	0.33	0.02	
347	81	Wall	S	Wood	White	0.36	0.03	
348	81	Door Frame	E	Wood	White	0.41	0.02	
349	81	Ceiling	-	Plaster	White	0.03	0.00	
350	82	Wall	W	Concrete	White	0.25	0.02	
351	82	Wall	S	Plaster	White	0.25	0.02	
352	82	Door	E	Wood	White	0.26	0.01	
353	82	Door Frame	S	Wood	White	0.00	0.00	
354	83	Wall	N	Plaster	White	0.17	0.03	
355	83	Wall	S	Concrete	White	0.47	0.02	
356	83	Wall	W	Concrete	White	0.36	0.02	
357	83	Wall	E	Plaster	White	0.34	0.02	
358	83	Ceiling	-	Plaster	White	0.31	0..02	
359	73	Wall	N	Plaster	White	0.07	0.01	

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm ²	+/-	Notes/Comments
360	72	Wall	N	Plaster	Tan	0.06	0.01	
361	72	Wall	E	Wood	White	4.89	0.86	
362	72	Door Frame	W	Wood	White	0.01	0.00	
363	74	Window Frame	E	Wood	White	2.35	0.25	
364	74	Wall	E	Concrete	Tan	0.10	0.01	
365	74	Wall	E	Concrete	Tan	0.12	0.01	
366	74	Wall	S	Particle Board	Tan	0.15	0.02	
367	74	Wall	N	Particle Board	Tan	0.16	0.01	
368	74	Support Beam	-	Metal	Tan	5.00	1.66	
369	74	Wall	S	Particle Board	Green	0.37	0.10	
370	75	Wall	S	Concrete	Green	0.00	0.00	
371	75	Wall	E	Concrete	Tan	0.11	0.01	
372	75	Window Frame	E	Wood	Brown	0.14	0.02	
373	76	Wall	W	Particle Board	Green	0.19	0.02	
374	76	Wall Frame	S	Wood	Brown	0.03	0.00	
375	76	Wall	S	Concrete	Green	0.02	0.00	
376	76	Door	-	Wood	Brown	0.08	0.01	
377	87	Wall	E	Plaster	White	5.00	0.82	

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm ²	+/-	Notes/Comments
378	87	Ceiling	-	Plaster	White	0.36	0.02	
379	87	Wall	S	Concrete	Tan	0.49	0.04	
380	87	Wall	W	Plaster	Tan	0.58	0.06	
381	87	Wall	N	Concrete	Tan	0.00	0.00	
382	87	Door	-	Wood	White	0.01	0.00	
383	86	Wall	E	Wood	Brown	0.03	0.00	
384	86	Wall	E	Plaster	Tan	0.41	0.03	
385	86	Wall	S	Concrete	Tan	0.36	0.03	
386	86	Wall	W	Concrete	Tan	0.02	0.00	
387	86	Baseboard	N	Wood	Lt. Green	0.13	0.01	
388	86	Door	S	Wood	Tan	0.11	0.01	
389	85	Wall	S	Concrete	Tan	0.23	0.01	
390	85	Wall	N	Particle Board	Tan	0.10	0.01	
391	85	Door Frame	N	Wood	White	0.05	0.01	
392	85	Door Frame	W	Wood	Tan	0.01	0.00	
393	84	Wall	W	Plaster	Tan	0.13	0.01	
394	23	Garage Door	-	Wood	White	0.28	0.02	Front
395	23	Garage Door	-	Wood	White	4.63	0.60	Frame

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm²	+/-	Notes/Comments
396	100	Wall	SE	Concrete	Grey	0.00	0.00	Staircase
397	100	Door	NW	Wood	Brown	0.01	0.00	Staircase
398	100	Wall	-	Plaster	Tan	0.27	0.01	Staircase
399	100	Wall	-	Plaster	Tan	0.31	0.01	Staircase
400	100	Rail	-	Metal	Brown	0.00	0.00	
401	100	Pipe	-	Metal	Tan	0.00	0.00	
402	101	Door	-	Wood	Tan	0.01	0.00	
403	101	Wall	NW	Concrete	Tan	0.00	0.00	
404	101	Wall	-	Concrete	Tan	0.00	0.00	
405	100	Wall	SW	Concrete	Tan	0.00	0.00	
406	101	Wall	-	Concrete	Tan	0.00	0.00	
407	100	Wall	SW	Concrete	Tan	0.59	0.04	
408	100	Pipe	SE	Metal	Tan	0.44	0.03	
409	100	Wall	NW	Concrete	Tan	0.50	0.02	Staircase to Bottom
410	100	Overhead	-	Concrete	Tan	0.00	0.00	
411	100	Steps	-	Metal	Green	0.13	0.01	
412	100	Door	-	Metal	Grey	0.00	0.00	
413	102	Door	SE	Wood	White	0.13	0.01	

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm²	+/-	Notes/Comments
414	102	Wall	SW	Brick	White	0.00	0.00	
415	102	Ceiling	-	Plaster	White	0.03	0.01	
416	102	Wall	-	Wood	White	0.00	0.00	
417	102	Wall	NW	Metal	Tan	1.30	0.08	
418	102	Ceiling	-	Metal	Tan	0.30	0.01	Under Steps
419	102	Window	SW	Metal	Tan	0.00	0.00	
420	102	Wall	NW	Concrete	Lt. Blue	0.00	0.02	
421	102	Ceiling	-	Concrete	White	0.53	0.32	
422	102	Wall	-	Concrete	White	0.70	0.32	
423	102	Wall	SE	Concrete	White	0.00	0.00	
424	102	Wall	-	Concrete	White	0.73	0.04	
425	102 Mezzanine	Pipe	-	Metal	Tan	1.25	0.07	Near Ceiling
426	102	Ceiling	-	Concrete	Tan	0.34	0.02	
427	104	Locker	-	Metal	Tan	0.00	0.00	
428	104	Wall	NW	Metal	Blue	0.60	0.03	
429	104	Door	-	Wood	Black	0.09	0.01	
430	105	Door	-	Metal	White	0.35	0.16	
431	105	Jail Cell	-	Metal	Grey	0.77	0.02	

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm ²	+/-	Notes/Comments
432	105	Wall	NW	Brick	Grey	0.00	0.00	
433	105	Wall	NW	Metal	White	0.61	0.02	
434	107	Wall	NW	Concrete	Grey	0.03	0.00	
435	107	Wall	NW	Brick	Grey	0.00	0.00	
436	107	Wall	SE	Concrete	White	0.00	0.00	
437	107	Door Frame	-	Metal	Grey	0.00	0.00	
438	107	Ceiling	-	Plaster	Grey	0.04	0.01	
439	107	Pipe	NW	Metal	-	0.13	0.01	
440	107	Wall	NW	Wood	Grey	0.00	0.00	
441	107	Wall	SE	Block	Red	0.34	0.02	

Note: Shaded cells indicate a positive result for lead-based paint

TABLE 2: Summary of Positive Lead-Based Paint XRF Results

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm ²	+/-	Notes/Comments
04	23	Garage Door	E	Wood	White	1.30	0.07	
07	23	Wall	N	Plaster	Tan	1.11	0.07	Under Steps
09	23	Wall	N	Plaster	Tan	1.68	0.17	Near Steps
14	42	Wall	N	Brick	White	1.86	0.22	
15	42	Wall	W	Brick	White	1.44	0.12	
16	42	Wall	E	Brick	White	2.64	0.34	
19	43	Wall	N	Plaster	White	1.55	0.14	
29	28	Door	-	Wood	Tan	4.18	0.66	
31	23	Wall	S	Plaster	Tan	1.40	0.16	
100	38A	Wall	S	Plaster	Grey	1.07	0.05	
113	32	Wall	W	Plaster	Tan	5.00	1.75	
114	32	Wall	N	Plaster	Tan	1.13	0.07	
120	34A	Wall	SW	Plaster	White	1.48	0.14	
121	34A	Wall	S	Plaster	White	1.57	0.14	
125	34	Wall	E	Plaster	Beige	2.62	0.22	
126	34	Wall	S	Plaster	Beige	1.07	0.04	

TABLE 2: Summary of Positive Lead-Based Paint XRF Results

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm ²	+/-	Notes/Comments
130	33	Wall	W	Wall	White	1.41	0.11	
131	33	Wall	S	Plaster	White	2.76	0.39	
133	30	Wall	N	Plaster	Beige	1.53	0.27	
135	30	Wall	W	Plaster	Grey	1.50	0.26	
145	71B	Wall	S	Plaster	Tan	4.18	1.13	
146	71B	Wall	N	Plaster	Tan	1.30	0.10	
162	62	Wall	N	Plaster	Lt. Blue	1.92	0.46	
174	65	Wall	NW	Plaster	Beige	1.40	0.11	
175	65	Wall	SW	Plaster	Beige	1.62	0.16	
207	60	Wall	S	Plaster	White	1.99	0.34	
209	60	Wall	N	Wood	White	3.33	0.44	
221	59	Door	S	Wood	White	2.36	0.27	
226	58	Wall	N	Plaster	White	1.15	0.08	
246	60B	Wall	E	Plaster	Tan	1.19	0.09	
249	57	Door	N	Wood	Tan	5.00	0.77	
256	56	Wall	E	Plaster	Grey	1.15	0.07	

TABLE 2: Summary of Positive Lead-Based Paint XRF Results

Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm ²	+/-	Notes/Comments
260	60A	Wall	S	Plaster	Tan	1.21	0.12	Outside of Room 56
264	51	Wall	E	Plaster	White	1.15	0.09	
274	53	Wall	N	Plaster	Lt. Green	1.92	0.23	
275	53	Wall	S	Plaster	Lt. Green	0.99	0.03	
277	54A	Wall	E	Plaster	White	1.39	0.10	
279	52	Wall	E	Plaster	Lt. Green	5.00	0.86	
287	48	Door	-	Wood	Green	1.26	0.11	
288	47	Door	-	Wood	Tan	5.00	0.88	
289	50	Wall	S	Plaster	White	1.71	0.24	
294	49	Wall	S	Plaster	White	1.49	0.12	
295	49	Wall	E	Plaster	White	1.05	0.04	
297	49	Wall	W	Plaster	White	2.54	0.36	
298	49	Door/Wall	W	Wood	Green	5.00	0.94	
309	77	Pipe	-	Metal	White	5.00	1.30	
314	77	Support Beam	W	Metal	White	5.00	0.82	Center of Room
316	77	Door	N	Wood	Tan	5.00	0.68	To Bathroom

TABLE 2: Summary of Positive Lead-Based Paint XRF Results

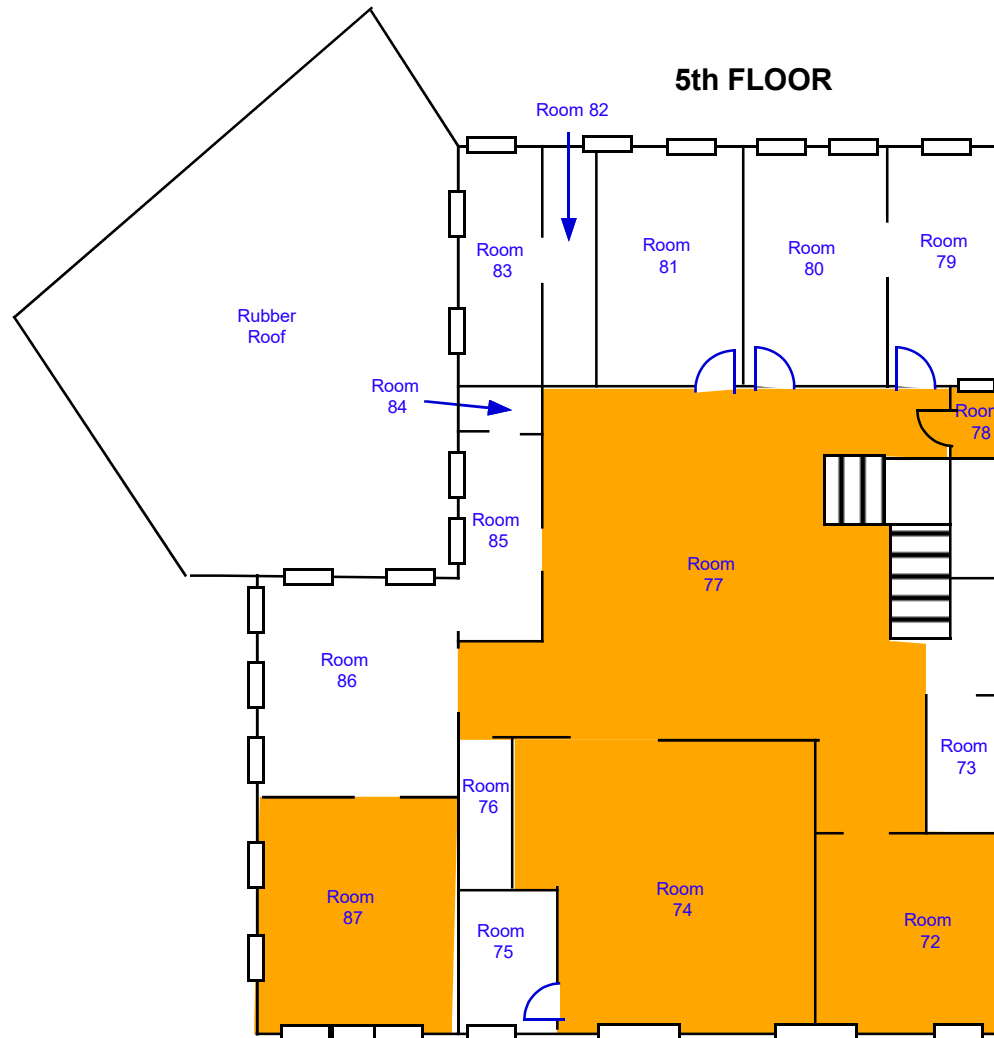
Test #	Room/ Location	Surface	Direction	Substrate	Color	Result mg/cm ²	+/-	Notes/Comments
329	78	Door	W	Wood	White	5.00	1.07	
361	72	Wall	E	Wood	White	4.89	0.86	
363	74	Window Frame	E	Wood	White	2.35	0.25	
368	74	Support Beam	-	Metal	Tan	5.00	1.66	
377	87	Wall	E	Plaster	White	5.00	0.82	
395	23	Garage Door	-	Wood	White	4.63	0.60	Frame
417	102	Wall	NW	Metal	Tan	1.30	0.08	
425	102 Mezzanine	Pipe	-	Metal	Tan	1.25	0.07	Near Ceiling


Appendix 2

Figures



5th FLOOR



 Rooms with LBP Components

Scale Approximate
For Illustration Purposes Only

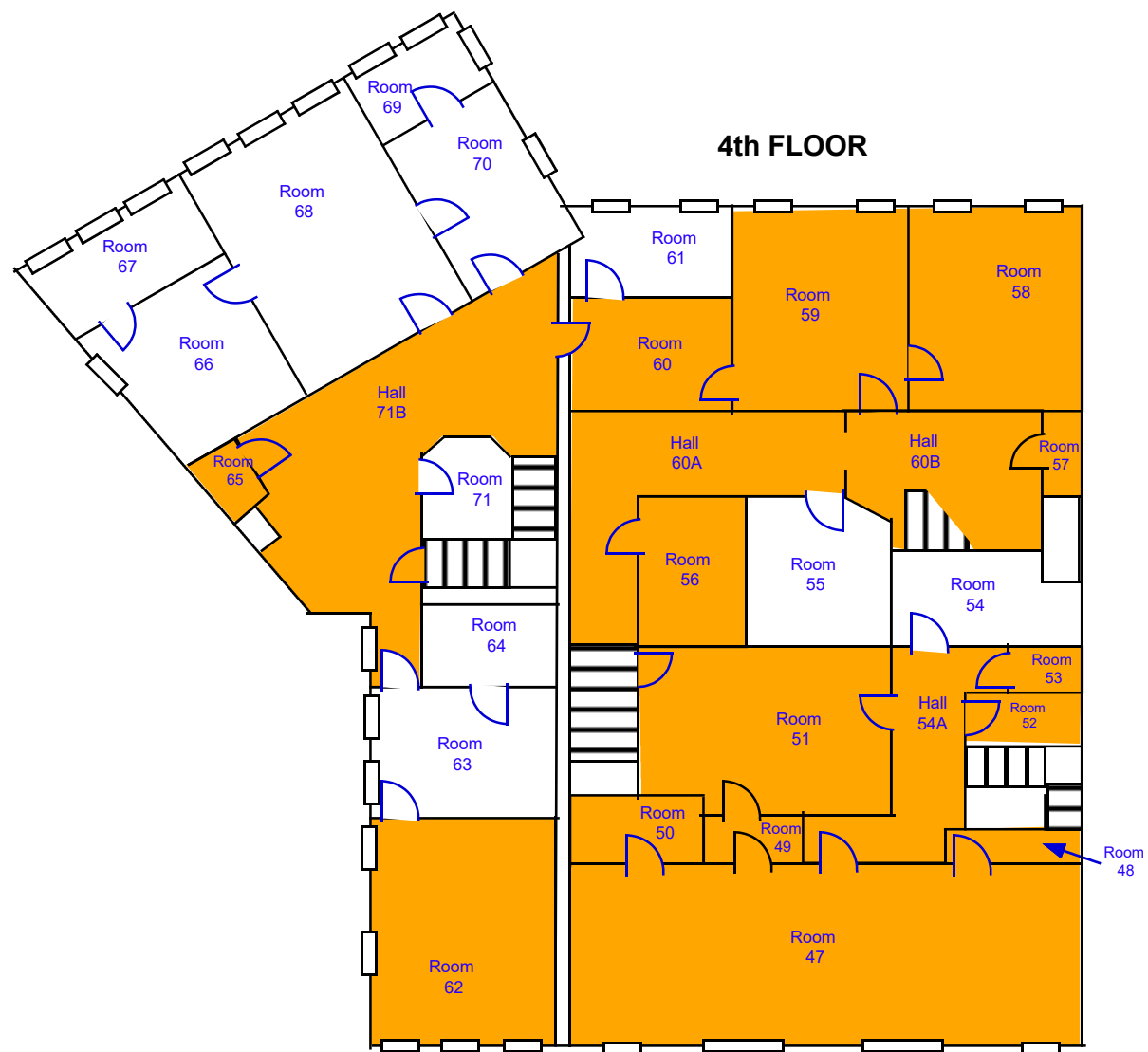


Cira and Associates Consulting LLC

Lead-Based Paint Locations
5th Floor
211 Monroe Street
Fairmont, WV

Figure 1

C&A Project No.
CAC20034

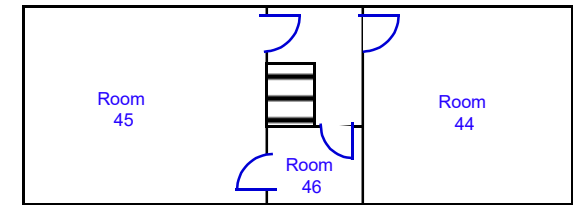


Cira and Associates Consulting LLC

Lead-Based Paint Locations
4th Floor
211 Monroe Street
Fairmont, WV


Figure 2

C&A Project No.
CAC20034



3rd Floor Mezzanine



 Rooms with LBP Components

Scale Approximate
For Illustration Purposes Only

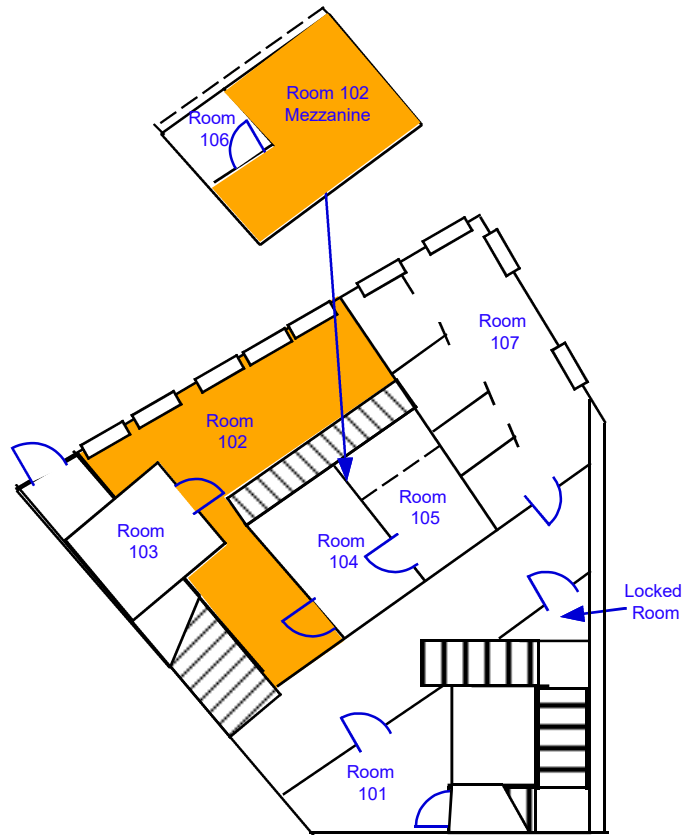


Cira and Associates Consulting LLC


Lead-Based Paint Locations
 Third Floor
 211 Monroe Street
 Fairmont, WV

Figure 3

C&A Project No.
 CAC20034



BASEMENT

 Rooms with LBP Components

Scale Approximate
For Illustration Purposes Only



Cira and Associates Consulting LLC

Lead-Based Paint Locations
Basement
211 Monroe Street
Fairmont, WV

Figure 4

C&A Project No.
CAC20034

Appendix 3

License and Certificates



WEST VIRGINIA

Lead Program

Eric M. Bubb

IS LICENSED AS AN
LEAD INSPECTOR

License # PI000685
Issued: 2/25/2020
Expires: 2/28/2021

Walter M. Avey

Director
WV OEHS

GST Company

357 Northgate Drive, Suite 3
Warrendale, Pa 15086

This is to certify that:

ERIC BUBB

has successfully completed the 24 hours

Lead Inspector

In accordance with 40 CFR 745 with a minimum passing score of 70%
GST Company has received approval as a training provider for Lead Based Paint from the Pennsylvania,
Department of Labor and Industry.

Certificate No.: 9953-ST

Training Course Date(s): December 12-14, 2018

Interim Expiration Date: June 14, 2019

Examination Date: December 14, 2018

Expiration Date: December 14, 2021



Director of Training, Nick Stanford
724-831-9724